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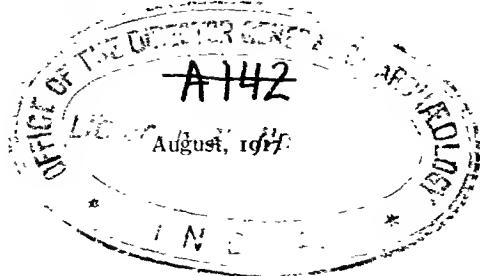
# American Philosophical Society

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## OFFICERS

1917

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George Ellery Hale, Sc.D., Ph.D., LL.D.

### SECRETARIES

I. Minis Hays, A.M., M.D. Amos P. Brown, B.S., Ph.D.  
Arthur W. Goodspeed, A.B., Ph.D. Harry F. Keller, Nat. Ph.D., Sc.D.

### CURATORS

Charles L. Doolittle, C.E., Sc.D., LL.D. William P. Wilson, Dr.Sc.  
Leslie W. Miller

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### COUNCILLORS

	Elected in 1915	Elected in 1916
Henry H. Donaldson, Ph.D., D.Sc.	Louis A. Bauer, Ph.D., D.Sc.	
Theodore W. Richards, Sc.D., LL.D.	Edward P. Cheyney, A.M., LL.D.	
Robert A. Harper, M.A., Ph.D.	Russell H. Chittenden, Ph.D., LL.D.	
Edwin G. Conklin, Ph.D., Sc.D.	Charles D. Walcott, Sc.D., LL.D.	

Elected in 1917

Henry Fairfield Osborn, Sc.D., LL.D.  
Elihu Thomson, Ph.D., D.Sc.  
Samuel M. Vauclain, Sc.D.  
Henry B. Fine, Ph.D., LL.D.

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## MEMBERS RESIDING WITHIN THE UNITED STATES

	Date of Election
<b>Abbot, Charles Greeley, M.Sc., D.Sc.</b> Director of Astrophysical Observatory, Smithsonian Institution. Mem. Nat. Acad. Sci., Am. Astronom. and Astrophys. Soc., Soc. Astronom. de France, Astronomical Society of Mexico, Acad. de Ciencias, Mexico, Deut. Meteorol. Gesell. Medals—Draper (Nat. Acad. Sci. 1910); Rumford (Am. Acad. Arts and Sci. 1915). <i>Smithsonian Institution, Washington, D. C.</i>	1914
<b>Abbot, Henry Larcom, LL.D.</b> Major-General U. S. A. Mem. Nat. Acad. Sci., Am. Acad. Arts and Sci., Corr. Mem. Imp. Roy. Geolog. Institut. Austria. <i>23 Berkeley St., Cambridge, Mass.</i>	1862
<b>Abbott, Alexander Crever, M.D., Sc.D., Dr. P.H.</b> Prof. of Hygiene and Bacteriology, Univ. Penna, Chief of Bureau of Health and President of Board of Health of Philadelphia 1903-09. Mem. Assoc. Am. Phys., Am. Physiolog. Soc., Am. Soc. Pathol. and Bacteriol., Fell. Coll. Phys., Phila. <i>Laboratory of Hygiene, University of Pennsylvania, Philadelphia.</i>	1897
<b>Abbott, Charles Conrad, M.D.</b> Asst. Archaeologist Peabody Mus., Cambridge, Mass., 1876-89. Mem. Royal Soc. of Antiquaries of the North, Copenhagen; Boston Soc. of Nat. Hist., Linnaean Soc., N. Y., N. Y. Acad. of Sci. <i>907 Radcliffe St., Bristol, Pa.</i>	1889
<b>Abel, John Jacob, A.M., Sc.D., M.D.</b> Professor of Pharmacology, Johns Hopkins University. Mem. Nat. Acad. Sci., Assoc. Am. Phys., Am. Physiol. Soc., Soc. for Pharmacol. and Exp. Therap. <i>Johns Hopkins Medical School, Baltimore.</i>	1915
<b>Adams, Edwin Plimpton, M.S., Ph.D.</b> Professor of Physics, Princeton University. <i>Princeton, N. J.</i>	1915
<b>Adams, Walter Sydney, A.M., Sc.D.</b> Astronomer and Assistant Director of Mt. Wilson Solar Observatory, Carnegie Institution of Washington. Mem. Am. Astronom. Soc., Fell. Roy. Astronom. Soc. <i>Observatory Office, Pasadena, Cal.</i>	1915
<b>Adler, Cyrus, M.A., Ph.D.</b> President of Dropsie Coll. for Hebrew and Cognate Learning. Formerly Librarian and Assist. Sec'y Smithsonian Institution, Hon. Assoc. U. S. Nat. Museum, Member Am. Jewish Hist. Soc., (President) Am. Anthrop. Assoc., Am. Philol. Soc., Am. Oriental Soc., Washington Acad. Sci. <i>2041 N. Broad St., Philadelphia.</i>	1900

	Date of Election
<b>Allen, Joel Asaph, Ph.D. (Hon.).</b> Curator of Department of Mammalogy and Ornithology, American Museum of Natural History, N. Y. Mem. Nat. Acad. Sci., Am. Acad. Arts and Sci., Am. Ornith. Union (Pres't, 1883-90); Zool. Soc., Lond., Deutsche Orn. Gesell., Berlin. <b>Medal</b> —Linn. Soc. Nat. Hist., N. Y., 1916. <i>American Museum of Natural History, New York.</i>	1878
<b>Ames, Joseph Sweetman, A.B., Ph.D., LL.D.</b> Professor of Physics and Director of Physical Laboratory, Johns Hopkins University. Mem. Nat. Acad. Sci., Am. Phys. Soc., Soc. Franç. de Phys., Nat. Advisory Comm. for Aeronautics; Fell. Am. Acad. Arts and Sci., Hon. Mem. Roy. Inst. of Gt. Br. <i>Johns Hopkins University, Baltimore.</i>	1905
<b>Anderson, George Lucius, A.M.</b> Colonel U. S. A. <i>Polo Alto, Cal.</i>	1886
<b>Appleton, William Hyde, A.M., Ph.D., LL.D.</b> Formerly Professor of Greek and President of Swarthmore College. Mem. Arch. Inst. of Am. <i>The Clinton, 10th and Clinton Sts., Philadelphia.</i>	1893
<b>Atkinson, George Francis, Ph.D.</b> Professor of Botany, Cornell University. Mem. N. Y. Acad. Sci., Bot. Soc. of Am. (Pres't, 1907). <i>Department of Botany, Cornell University, Ithaca, N. Y.</i>	1913
<b>Atterbury, William Wallace, Ph.B., M.A.</b> Vice-President (in charge of operation) Pennsylvania R. R. Co.; Pres't Am. Rwy. Assoc.; Mem. Am. Soc. Mechan. Eng., Am. Soc. Civil Eng. <i>Radnor, Pa.</i>	1916
<b>Bailey, Liberty Hyde, M.S., LL.D.</b> Late Professor of Horticulture and Director of N. Y. State College of Agriculture, Cornell University, Fell. Am. Acad. Arts and Sci. <i>Ithaco, N. Y.</i>	1896
<b>Balch, Edwin Swift, A.B.</b> Mem. Geog. Soc. of Phila. (Pres't, 1895-96). Fell. Am. Geog. Soc., Roy. Geog. Soc., Corr. Mem. Soc. Antonio Alzate, Mexico. <i>1412 Spruce St., Philadelphia.</i>	1899
<b>Balch, Thomas Willing, A.B.</b> Mem. Am. Antiq. Soc., Hist. Soc. of Penna. (V. P.). Corr. Mem. Colonial Soc. of Mass. <i>1412 Spruce St., Philadelphia.</i>	1901
<b>Baldwin, James Mark, M.A., Ph.D., D.Sc., LL.D.</b> Late Professor of Psychology, Johns Hopkins Univ., For. Corr. Inst. de France, Mem. Am. Psychol. Assoc. (President, 1907-08). <b>Medal</b> —Roy. Acad. Denmark. <i>Care of Harris Forbes Co., 56 William St., New York.</i>	1897
<b>Baldwin, Simeon Eben, A.M., LL.D.</b> Justice, Governor of Connecticut. Professor of Law in Yale University. Mem. Am. Soc. Sci. Assoc. (Past-President). Am. Polit. Sci. Assoc., Am. Hist. Assoc., Internat. Law Assoc. (Lond.), Am. Antiq. Soc.; Fell. Am. Acad. Arts and Sci., Corr. Mem. Mass. Hist. Soc., Colonial Soc. of Mass., l'Institut de Droit Comparée, Brussels. <i>New Haven, Conn.</i>	1910

Date of  
Election

<b>Barker, Wharton, M.A.</b>	<i>Port Royal Ave., Roxborough, Philadelphia.</i>	1884
<b>Barnard, Edward Emerson, M.A., D.Sc., LL.D.</b>	Professor of Practical Astronomy, University of Chicago, Astronomer of Yerkes Observatory; Fell. A. A. A. S. (V.P., 1898). Mem. Nat. Acad. Sci., Astron. and Astrophys. Soc., Assoc. Fell. Am. Acad. Arts and Sci., Hon. Mem. R. Astron. Soc. of Canada; For. Assoc. Royal Astron. Soc., Soc. Astron. de France. <b>Medals</b> —Lelande (Paris Acad., 1892); Arago (1893); Roy. Astron. Soc. (1897). Janssen Prize Soc. Astron. de France, 1906). <i>Yerkes Observatory, Williams Bay, Wis.</i>	1903
<b>Barton, George Aaron, A.M., Ph.D., LL.D.</b>	Professor of Biblical Literature and Semitic Languages, Bryn Mawr College. Mem. Soc. of Biblical Lit. and Exegesis (Pres't, 1916-17), Am. Oriental Soc., Arch. Inst. of Am., Soc. of Biblical Archaeol. (Lond.), Deutsche Morgenländ. Gesell., Orient-Gesell., Vorderasiat. Gesell., Corr. Mem. Soc. Archéol. de France. <i>237 Roberts Road, Bryn Mawr, Pa.</i>	1911
<b>Barus, Carl, Ph.D., LL.D.</b>	Professor of Physics, Brown University. Formerly Physicist, U. S. Geolog. Surv., and Smithsonian Inst. Mem. Nat. Acad. Sci., Fell. Am. Acad. Arts and Sci., Am. Phys. Soc. (Pres't, 1904-06), Hon. Mem. Royal Institution of Gt. Br. <b>Medal</b> —Rumford (1900). <i>Brown University, Providence, R. I.</i>	1903
<b>Bauer, Louis A., C.E., M.S., M.A., Ph.D., D.Sc.</b>	Director of Department of Terrestrial Magnetism, Carnegie Inst. of Washington. Formerly Chief of Div. of Terrestrial Magnetism, U. S. Coast & Geodetic Survey. Halley Lecturer in Terrestrial Magnetism (Oxford, 1913). Fell. Am. Acad. Arts and Sci., Corr. Mem. Soc. d Wissenschaft. (Göttingen), Acad. das Scien. (Lisbon), Hon. Mem. Royal Cornwall Polytech. Soc., Soc. Cient. "Antonio Alzate," Mexico, Mem. Washington Acad. Sci., Philos. Soc. of Wash. (Pres't, 1908), Am. Phys. Soc., Am. Astron. Soc., Assoc. of Am. Geog., Mem. Perman. Comm. on Terrestrial Magnetism of Inter. Meteorological Conference, and of Inter-Assoc. of Academies. <b>Medal</b> —Charles Lagrange Prize, Acad. Roy. Belgique (1909). Georg Neumeyer (Berlin, 1913). <i>301 The Ontario, Washington, D. C.</i>	1909
<b>Baugh, Daniel.</b>	<i>1601 Locust St., Philadelphia.</i>	1899
<b>Becker, George Ferdinand, B.A., Ph.D. (Heidelb.).</b>	Geologist in charge of U. S. Geol. Survey. Mem. Nat. Acad. Sci., Geol. Soc. of Am. (Pres't, 1914), Am. Inst. of Mining Engineers. <i>U. S. Geological Survey, Washington, D. C.</i>	1907
<b>Bell, Alexander Graham, LL.D., Ph.D., Sc.D., M.D.</b>	Mem. Nat. Acad. Sci., Am. Acad. Arts and Sci., Boston Soc. of Nat. Hist., Am. Inst. Electrical Eng. (Past-Pres't), Antiq. Soc. of Mass., Wash. Acad. Sci., Nat. Geog. Soc. (Past-Pres't), Roy. Soc. of Arts (Lond.);	1882

## 6 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Electio
Soc. of Telegraph Eng. and Elect. (Lond.); Inst. of Elect. Eng. (Lond.), Soc. de Physique (Paris). <b>Medals</b> —Centennial Expos. of Phila., for speaking telephone (1876); Soc. of Arts of Lond. Roy. Albert (1878); République Française Exposition Universelle, Paris (1878); awarded by the Government of France the Volta Prize of 50,000 francs for the electrical transmission of speech (1880). <i>1331 Connecticut Ave., Washington, D. C.</i>	
<b>Bell, J. Snowden, LL.D.</b> <i>P. O. Box 629, New York City.</i>	1882
<b>Bement, Clarence S.</b> <i>3907 Spruce St., Philadelphia.</i>	1895
<b>Benedict, Francis Gano, A.M., Ph.D. (Heidelb.), Sc.D.</b> Director of Nutrition Laboratory of Carnegie Institution of Washington. Formerly Professor of Chemistry, Wesleyan Univ. Mem. Nat. Acad. Sci., Am. Chem. Soc., Fell. Am. Acad. Arts and Sci. <i>Nutrition Laboratory, Vila St., Boston, Mass.</i>	1910
<b>Bennett, Charles Edwin, B.A., Litt.D.</b> Professor of Latin, Cornell University. Mem. Am. Philol. Assoc. (Pres't, 1908-09). <i>1 Grove Place, Ithaca, N. Y.</i>	1913
<b>deBenneville, James S., A.B.</b> <i>26 D Bluff, Yokohama, Japan.</i>	1897
<b>Blair, Andrew A.</b> <i>406 Locust St., Philadelphia.</i>	1889
<b>Bloomfield, Maurice, A.M., Ph.D., LL.D., L.H.D.</b> Professor of Sanskrit and Comparative Philology, Johns Hopkins University. Mem. Am. Orient. Soc. (Pres't, 1905-11); Fell. Am. Acad. Arts and Sci. <b>Medals</b> —Hardy Prize, K. Bayer. Akad. d. Wiss. <i>Johns Hopkins University, Baltimore, Md.</i>	1904
<b>Boas, Franz, Ph.D., LL.D., Sc.D. (Oxon.).</b> Professor of Anthropology, Columbia University. Mem. Nat. Acad. Sci., Am. Antiq. Soc., N. Y. Acad. Sci. (Pres't, 1910). Am. Anthropol. Soc. (Pres't, 1907-08), Hon. Mem. Anthropol. Gesell. Vienna, Hon. Fell. Anthropol. Soc. of Gt. Br., Corr. Mem. Anthropol. Societies of Berlin, Brussels, Florence, Moscow, Paris, Rome, Stockholm and Washington, and of Deut. Anthropol. Gesell., Soc. des Americanistes, Paris, and Soc. for Oriental Languages, Frankfort. <i>230 Franklin St., Grantwood, N. J.</i>	1903
<b>Bôcher, Maxime, A.B., Ph.D.</b> Professor of Mathematics, Harvard University. Mem. Nat. Acad. Sci., Am. Math. Soc. (Past-Pres't). <i>48 Buckingham St., Cambridge, Mass.</i>	1916
<b>Bogert, Marston Taylor, Ph.B., LL.D.</b> Professor of Organic Chemistry, Columbia University. Mem. Nat. Acad. Sci., Soc. Chem. Industry (Past-Pres't), Am. Chem. Soc. (Past-Pres't), Washington Acad. Sci., Nat. Research Council, Chem. Soc., Lond., Deutsche Chem. Gesell., Soc. Chim. Ital., Soc. Chim. de France. <i>Columbia University, New York City.</i>	1909

Date of  
Election

**Boltwood, Bertram B., Ph.D.** Professor of Radio-Chemistry, Yale University. Mem. Nat. Acad. Sci., Am. Chem. Soc., Am. Phys. Soc., Am. Acad. Arts and Sci. *P. O. Box 1038, Yale Station, New Haven, Conn.* 1911

**Branner, John Casper, B.S., Ph.D., LL.D., D.Sc.** President Emeritus of Stanford University. Mem. Nat. Acad. Sci., Am. Inst. Mining Eng., Indiana Acad. Sci. (Past-Pres't), Am. Soc. Naturalists, Washington Acad. Sci., Calif. Acad. Sci., Geological Soc. Am. (Past-Pres't), Calif. Earthquake Comm., Seismological Soc. Am. (Past-Pres't), Soc. Geol. de France, Geol. Soc. Lond., Hon. Mem. Acad. Pernambucana de Letras., Inst. Geog. e Hist. da Bahia, Soc. Belge de Geol., Inst. Hist. e Geog., Rio, For. Mem. Acad. Brasil. **Medals**—Louisiana Purchase Exposition (1905); Hayden (Acad. Nat. Sci. of Phila.). *Stanford University, Cal.* 1886

**Brashears, John Alfred, LL.D., Sc.D., D.Eng.** Mem. Eng. Soc. Western Penna. (Past-Pres't), Am. Soc. Mech. Eng. (Past-Pres't), Pittsburgh Acad. Science and Arts (Past-Pres't), Am. Astron. Soc., Roy. Astron. Soc., British Astron. Soc., Soc. Astron. de France, Soc. Astron. de Belge, Roy. Astron Soc. Canada. **Medal**—Franklin Inst. *1954 Perryville Ave., Pittsburgh, Pa.* 1902

**Bridgman, Percy Williams, A.M., Ph.D.** Assistant Professor of Physics, Harvard University. Fell. Am. Acad. Arts and Sci., Mem. Washington Acad. Sci. *Jefferson Physical Laboratory, Cambridge, Mass.* 1916

**Bright, James Wilson, Ph.D., Litt.D., LL.D.** Professor of English Literature, Johns Hopkins University. *246 W. Lanvale St., Baltimore, Md.* 1914

**Brown, Amos Peaslee, B.S., E.M., Ph.D.** Professor of Mineralogy and Geology, University of Pennsylvania. Mem. Am. Inst. Mining Eng., Fell. Geol. Soc. of Am. *20 E. Penn St., Germantown, Philadelphia.* 1901

**Brown, Ernest William, M.A., Sc.D. (Cantab.).** Professor of Mathematics, Yale University. Fell. Roy. Soc., Am. Acad. Arts and Sci., Roy. Astron. Soc., Cambridge Philos. Soc., Mem. Lond. Math. Soc., Am. Math. Soc., Am. Astron. and Astrophys. Soc. **Medals**—Royal (Royal Soc., 1914); Gold (Royal Astron. Soc., 1907); Adams Prize, Cambridge (1907); De Pontécoulant Prize (Paris 1908). *116 Everit St., New Haven, Conn.* 1898

**Brubaker, Albert P., A.M., M.D., LL.D.** Professor of Physiology and Medical Jurisprudence, Jefferson Medical Coll., Phila. Mem. Am. Physiol. Soc., Fell. Coll. of Phys. of Phila. *3426 Powelton Ave., Philadelphia.* 1895

## 8 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
Brumbaugh, Martin Grove, M.E., D.Sc., A.M., Ph.D., LL.D., D.Litt. Governor of Pennsylvania. Formerly Superintendent of Public Schools, Phila., Mem. Nat. Educational Assoc. <i>Executive Dep't, Harrisburg, Pa.</i>	1908
Brush, Charles Francis, M.E., M.S., Ph.D., Sc.D., LL.D. Mem. Am. Soc. of Mech. Eng., Am. Inst. Elec. Eng., Nat. Elec. Light Assoc., Am. Chem. Soc., Am. Phys. Soc., Brit. Assoc. of Mech. Eng., Roy. Soc. of Arts. <b>Medals</b> —Rumford (1899), Edison (1913). <i>481 The Arcade, Cleveland, O.</i>	1910
Bryant, Henry G., M.A., LL.B. Mem. Geog. Soc. of Phila. (Pres't), Am. Alpine Club (Pres't), Fell, Roy. Geog. Soc., Corr. Mem. Geog. Soc. of Geneva, Anthropol. and Geog. Soc. of Stockholm, Appalachian Mt. Club, Officier de l'Académie (France). <i>2013 Walnut St., Philadelphia.</i>	1898
Bumpus, Hermon Carey, Ph.D., Sc.D., LL.D. President of Tufts College. Mem. Am. Morphol. Soc. (Past-Pres't), Am. Soc. Zool., Am. Soc. Naturalists, N. Y. Acad. Sci., Fell. Am. Acad. Arts and Sci., K. K. Oest. Fisch. Gesell. (Vienna), Corr. Mem. Senckenberg. Naturforsch. Gesell. <i>Tufts College, Mass.</i>	1909
Cadwalader, John, A.M., LL.D. <i>263 S. Fourth St., Philadelphia.</i>	1899
Campbell, Douglas Houghton, Ph.D. Professor of Botany, Stanford University. Mem. Am. Botan. Soc. (Past-Pres't), Nat. Acad. Sci., Fell. Am. Acad. Arts and Sci., For. Mem. Linnean Soc., Deut. Botan. Gesell., Royal Soc. Edin., Internat. Botanical Soc. <i>Leland Stanford University, Cal.</i>	1910
Campbell, William Wallace, M.S., Sc.D., LL.D. Director of Lick Observatory, University of California. Mem. Nat. Acad. Sci., A. A. A. S. (Past-Pres't), Am. Astron. Soc., Astron. Soc. of Pacific, Fell. Am. Acad. Arts and Sci., For. Assoc. Royal Astron. Soc. Lond., For. Mem. Soc. Spettros. Ital., Astron. gesell., Montpellier Acad. des Sci., Soc. Roy. des Sci. à Upsal, K. Svenska Vetenskaps Akad. (Stockholm), R. Acad. de Cien. Madrid. <b>Medals</b> —Lalande (Acad des Sci. Paris, 1903); Royal Astron. Soc. (1905); Draper (Nat. Acad. Sci. 1906); Janssen (Acad. de Sci. Paris, 1910); Bruce (Astron. Soc. of Pacific 1915). <i>Lick Observatory, Mt. Hamilton, Cal.</i>	1903
Cannon, Walter Bradford, A.M., M.D. Professor of Physiology, Harvard University. Mem. Nat. Acad. Sci., Am. Phys. Soc. (Past-Pres't), Soc. for Exper. Biol. and Med., Am. Psych. Assoc., Fell. Am. Acad. Arts and Sci. <i>Harvard Medical School, Boston, Mass.</i>	1908
Carnegie, Andrew, Dr. Polit. Sci., LL.D. Mem. Am. Geog. Soc., Am. Statist. Assoc., Hon. Mem. Astron. Gesell. at Treptow Sternwarte,	1902

Date of  
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Nat. Hist. Soc., Glasgow, Philos. Inst., Edin., Roy. Geog. Soc. of Australasia, Royal Inst. of Gt. Br. <i>2 East 91st St., New York City.</i>	
<b>Carrell, Alexis, M.D., Sc.D.</b> Mem. Rockefeller Inst. for Med. Research, 1909 Fell. Am. Surg. Assoc., Nobel Laureate, Medicine (1912). <i>Rockefeller Institute for Medical Research, 66th St. and Avenue A, New York City.</i>	1909
<b>Carson, Hampton Lawrence, M.A., LL.D.</b> Late Attorney-General of Pennsylvania, Professor of Law in University of Pennsylvania, Chancellor of Law Assoc. of Phila., Mem. Penna. State Bar Assoc. (President), Am. Bar Assoc. (V.P.), Historical Soc. of Penna. (V.P.), Swedish Colonial Soc. <i>1524 Chestnut St., Philadelphia.</i>	1880
<b>Castle, William Ernest, A.M., Ph.D.</b> Professor of Zoology, Harvard University. Mem. Nat. Acad. Sci., Boston Soc. Nat. Hist., Fell. Am. Acad. Arts and Sci. <i>186 Payson Road, Belmont, Mass.</i>	1910
<b>Castner, Samuel, Jr.</b> <i>3729 Chestnut St., Philadelphia.</i>	1887
<b>Cattell, James McKeen, A.M., Ph.D., LL.D.</b> Mem. Nat. Acad. Sci., N. Y. Acad. Sci. (Past-Pres't), Am. Psychol. Assoc. (Past-Pres't), Am. Soc. Naturalists (Past-Pres't). <i>Garrison-on-Hudson, N. Y.</i>	1888
<b>Chamberlin, Thomas Chrowder, A.M., Sc.D., LL.D.</b> Professor and Head of Dept. of Geology and Director of the Walker Museum, University of Chicago. Comm. Illinois Geol. Surv., Consulting Geologist U. S. Geol. Surv., Research Assoc. Carnegie Inst. of Wash., Mem. Nat. Acad. Sci., A. A. A. S. (Pres't, 1908), Chicago Acad. of Sci. (Pres't, 1898-1914), Illinois Acad. Sci. (Pres't, 1907), Geol. Soc. of Am. (Pres't, 1895). Medals—Paris Expos., 1878, 1893; Helen Culver (Chicago Geog. Soc., 1910). <i>Rosenwald Hall, University of Chicago, Chicago, Ill.</i>	1905
<b>Chance, Henry Martyn, C.E., M.D.</b> Mem. Mining and Metal. Soc. Am. (Pres't, 1913). <i>837 Drexel Bldg., Philadelphia.</i>	1880
<b>Chandler, Charles Frederick, A.M., Ph.D., LL.D.</b> Professor of Chemistry, Columbia University. Mem. Nat. Acad. Sci., Am. Chem. Soc. (Pres't, 1881-89), Brit. Soc. Chem. Indust. (Pres't, 1899), Chem. Soc. Lond., Deut. Chem. Gesell., Soc. Chim. de France, N. Y. Acad. Sci., Am. Inst. Elec. Eng., Am. Soc. Mining Eng. <i>Columbia University, New York City.</i>	1875
<b>Cheyney, Edward Potts, A.M., LL.D.</b> Professor of European History. University of Pennsylvania. Mem. Am. Hist. Assoc. <i>259 S. 4th St., Philadelphia.</i>	1904
<b>Chittenden, Russell H., Ph.D., LL.D., Sc.D.</b> Professor of Physiological Chemistry, Sheffield Scientific School, Yale University. Mem. Nat. Acad. Sci., Am. Physiolog. Soc. (Past-Pres't), Am. Soc. Biolog. Chemists (Past-Pres't), Am. Soc. of Naturalists (Past-Pres't). <i>83 Trumbull St., New Haven, Conn.</i>	1904

## 10 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
<b>Clark, William Bullock, Ph.D., LL.D.</b> Professor of Geology, Johns Hopkins University, State Geol. of Maryland, Dir. (Maryland) Weather Service, Mem. Nat. Acad. Sci., Geol. Soc. Am., Assoc. of State Geologists (Past-Pres't), Washington Acad. Sci., Am. Inst. Mining Eng., Mining and Metallurg. Soc. Am., Fell. Am. Acad. Arts and Sci., For. Corr. Geol. Soc. of Lond., Deutsche Geolog. Gesell. <i>Johns Hopkins University, Baltimore, Md.</i>	1902
<b>Clarke, Frank Wigglesworth, S.B., D.Sc., LL.D.</b> Chief chemist U. S. Geological Survey, Hon. Curator of Minerals, U. S. Nat. Mus. Mem. Nat. Acad. Sci., Am. Chem. Soc. (Pres't, 1901), Philos. Soc. Wash. (Pres't, 1896), Washington Acad. Sci. (Pres't, 1912). Hon. V.P. of Internat. Chemical Congresses at Paris, Berlin and N. Y., Corr. Mem. Edinburgh Geol. Soc., Geol. Soc. Lond., Hon. Mem. Mineralog. Soc. Lond., Chem. Soc. Lond., Manchester Lit. and Philos. Soc., Imp. Soc. Naturalists, Moscow. Medal—Wilde, Manchester (1903). <i>U. S. Geological Survey, Washington, D. C.</i>	1904
<b>Clarke, John Mason, M.A., Ph.D., Sc.D., LL.D.</b> Director of Department of Science and State Museum, New York. Mem. Nat. Acad. Sci., Geol. Soc. Am. (Pres't). Palaeontological Soc. (Past-Pres't). Medal—Hayden (Acad. Nat. Sci. Phila.); Spindiaroff Prize (Internat. Geol. Cong.). <i>Albany, N. Y.</i>	1911
<b>Clay, Albert T., A.M., Ph.D., LL.D.</b> Professor of Assyriology and Babylonian Literature and Curator of Babylonian Collection, Yale University. Mem. Am. Orient. Soc., Soc. of Biblical Lit. and Exegesis, Vorderasiatischen Gesell. <i>401 Humphrey St., New Haven, Conn.</i>	1912
<b>Collitz, Hermann, A.M., Ph.D., L.H.D.</b> Professor of Germanic Philology, Johns Hopkins University. Mem. Am. Orient. Soc., Am. Philol. Soc., Modern Lang. Assoc. of Am., Verein fur Niederdeutsche Sprach., Deut. Morgenländ. Gesell. <i>1027 N. Calvert St., Baltimore, Md.</i>	1902
<b>Comstock, John Henry, B.S.</b> Professor Emeritus of Entomology and General Invertebrate Zoology, Cornell University. Fell. Entomolog. Soc. of Am. (Past-Pres't), Hon. Mem. Calif. Acad. Sci., Ent. Soc. of Ont.; Soc. Ent. de Belgique, Mem. Soc. Ent. de France, Hon. Fell. Ent. Soc., Lond. <i>123 Roberts Place, Ithaca, N. Y.</i>	1913
<b>Conklin, Edwin Grant, Ph.D., Sc.D.</b> Professor of Biology, Princeton University. Mem. Nat. Acad. Sci., Am. Soc. Nat. (Pres't, 1912); Am. Soc. Zool. (Pres't, 1899), Fell. Am. Acad. Arts and Sci. <i>Princeton, N. J.</i>	1897
<b>Coplin, W. M. Late, M.D.</b> Professor of Pathology, Jefferson Medical College, Phila. Mem. Assoc. Am. Phys., Assoc. Am. Path. and Bact., Am. Assoc. for Prevention of Tuberculosis, Fell. Coll. of Phys., Phila. <i>606 S. 48th St., Philadelphia.</i>	1911

**Coulter, John Merle, A.M., Ph.D.** Professor and Head of Dept. of Botany, University of Chicago. Mem. Nat. Acad. Sci., Am. Bot. Soc. (Pres't, 1897-98, 1915-16), Illinois Acad. Sci. (Pres't, 1910), Chicago Acad. Sci. (Pres't, 1915), Assoc. Fell. Am. Acad. Arts and Sci., Corr. Fell. Bot. Soc. of Edin., For. Mem. Linnean Soc., Lond. *University of Chicago, Chicago, Ill.* 1915

**Crane, Thomas Frederick, A.M., Litt.D.** Professor Emeritus of Romance Languages and Literature, Cornell University. Mem. Royal Acad. Sci. and Arts, Palermo, Italy. *Ithaca, N. Y.* 1877

**Crike, George W., A.M., M.D., LL.D.** Professor of Surgery, Western Reserve University. Mem. Am. Surg. Assoc., Am. Assoc. Path. and Bact., Soc. Exper. Biol. and Med., Am. Physiol. Soc., Soc. Clin. Surg., Hon. F. R. C. S. (England). Medal—Alvarenga Prize (Coll. of Phys. of Phila.); Cartwright Prize (Columbia Univ.); Senn Prize (Am. Med. Assoc.). *1031 Prospect Ave., Cleveland, O.* 1912

**Cross, Whitman, B.S., Ph.D.** Geologist U. S. Geological Surv. Mem. Nat. Acad. Sci., Geol. Soc. Washington, Fell. Geol. Soc. Am., For. Assoc. Geol. Soc., London. *2138 Bancroft Place, Washington, D. C.* 1915

**Culin, Stewart.** Curator of Ethnology, Brooklyn Institute Museum. Corr. Mem. Real Acad. de la Historia, Royal Italian Anthropol. Soc., Svenska Sällskapet för Antrop. och Geog. *Brooklyn Institute Museum, Brooklyn, N. Y.* 1897

**Cushing, Henry Platt, Ph.D.** Professor of Geology, Western Reserve University, Cleveland, O. Mem. Geolog. Soc. Am. (V.P., 1915), N. Y. Acad. Sci. *Western Reserve University, Cleveland, O.* 1916

**DaCosta, John Chalmers, M.D.** Clinical Professor of Surgery, Jefferson Medical College, Phila. Fell. Coll. Phys. Phila., Mem. Am. Surg. Assoc. *2045 Walnut St., Philadelphia.* 1904

**Dall, William Healey, A.M., D.Sc., LL.D.** Geologist and Palaeontologist U. S. Geological Survey. Hon. Prof. Invert. Palaeont., Wagner Inst. of Sci., Phila. Mem. Nat. Acad. Sci., Boston Soc. Nat. Hist., Chicago Acad. Sci., Philos. Soc. Wash. (Pres't, 1894), Biolog. Soc. Wash. (Pres't, 1888-89), Fell. Am. Acad. Arts and Sci., For. Mem. K. K. Zoolog.-Bot. Gesell. in Wien, Corr. Mem. Geog. Gesell. Bremen, Gesell. für Erdkunde, Berlin, Svenska Sällsk. für Anthropol. och Geog. Stockholm, Soc. Zoolog. de France, Geolog. Soc. Lond., Naturforsch. Gesell., Leipzig. *Smithsonian Institution, Washington, D. C.* 1897

**Daly, Reginald Aldworth, A.M., Ph.D.** Professor of Geology, Harvard University. Mem. Geolog. Soc. Am., Seismological Soc., Am., Fell. Am. Acad. Arts and Sci. *23 Hawthorn St., Cambridge, Mass.* 1913

## 12 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
<b>Dana, Edward S.</b> Professor of Physics, Yale University. Mem. Nat. Acad. Sci. <i>Yale University, New Haven, Conn.</i>	1896
<b>Davenport, Charles Benedict, S.B., Ph.D.</b> Director of Station for Experimental Evolution, Carnegie Institution of Washington, Cold Spring Harbor, N. Y. Mem. Nat. Acad. Sci. Am. Zool. Soc., Assoc. of Naturalists (Past-Pres't), Eugenics Research Assoc. (Pres't), Boston Soc. Nat. Hist., Fell. Am. Acad. Arts and Sci. <i>Cold Spring Harbor, Long Island, N. Y.</i>	1907
<b>Davis, Bradley Moore, A.M., Ph.D.</b> Professor of Botany, University of Pennsylvania. Fell. Am. Acad. Arts and Sci., Mem. Am. Soc. Naturalists, Bot. Soc. Am. <i>Botanical Laboratory, University of Pennsylvania, Philadelphia.</i>	1914
<b>Davis, William Morris, S.D., Ph.D.</b> Professor Emeritus of Geology, Harvard University. Mem. Nat. Acad. Sci., Geol. Soc. of Am. (Pres't, 1911), Hon. Mem. Geographical Societies of Berlin, Vienna, Madrid, Rome, Budapest, Leipzig, Greifswald, Geneva, Neuchatel, New York, Philadelphia, and Chicago. Corr. Mem. N. Y. Acad. of Sci., Acad. de Wissen., Berlin, Acad. des Sciences, Paris, and of Geographical Societies of London, Paris, Munich and Petrograd. <i>31 Hawthorn St., Cambridge, Mass.</i>	1899
<b>Day, Arthur L., Ph.D., Sc.D.</b> Director of the Geophysical Laboratory, Carnegie Institution of Washington. Fell. Am. Acad. Arts and Sci., Mem. Nat. Acad. Sci., Geol. Soc., Am., Am. Phys. Soc., Am. Chem. Soc., Washington Acad. Sci., Philos. Soc., Wash. (Pres't, 1911), Deut. Physikal. Gesell., Deut. Bunsen Gesell., Hon. Mem. Acad. di Sci. Let. ed Arti degli Zelanti (Acireale, Italy). <i>Geophysical Laboratory, Washington, D. C.</i>	1912
<b>Day, Frank Miles, B.S., M.A.</b> Lecturer on Architecture, University of Pennsylvania, and Harvard University. Supervising Architect Yale University. Mem. Advisory Board of Archit., Johns Hopkins Univ., Fell. Am. Inst. of Archit. (Past-Pres't), Nat. Inst. of Arts and Letters, Corr. Mem. Russian Imp. Inst. of Archit., Hon. Corr. Mem. Roy. Inst. of Brit. Archit., Assoc. Nat. Acad. of Design. <i>Mt. Airy P. O., Philadelphia.</i>	1899
<b>Dercum, Francis X., A.M., M.D., Ph.D.</b> Professor of Nervous and Mental Diseases, Jefferson Medical College, Philadelphia. Fell. Coll. Phys. Phila. Mem. Phila. Neurol. Soc. (Pres't), Phila. Psychiatric Soc. (Past-Pres't), Am. Neurol. Soc. (Past-Pres't). Roy. Medical Soc., Budapest, Corr. Mem. Neurol. and Psychiat. Soc., Vienna. For. Corr. Mem. Neurolog. Soc. Paris. <i>1719 Walnut St., Philadelphia.</i>	1892
<b>Dewey, John, Ph.D., LL.D.</b> Professor of Philosophy, Columbia University. Mem. Nat. Acad. Sci., Am. Psych. Assoc. (Past-Pres't), Am. Soc. Naturalists. <i>Columbia University, New York City.</i>	1911

Date of  
Election

<b>Dixon, Samuel G., M.D., Sc.D., LL.D.</b> Commissioner of Health of Pennsylvania. Fell. Coll. Phys., Phila., Mem. Acad. Nat. Sci., Phila. (Pres't). <i>Bryn Mawr, Pa.</i>	1892
<b>Dolley, Charles S., M.D.</b>	1886
<b>Donaldson, Henry Herbert, A.B., Ph.D., D.Sc.</b> Professor of Neurology, Wistar Institute of Anatomy and Biology, Philadelphia. Mem. Nat. Acad. Sci., Am. Psychol. Assoc., Am. Neurol. Assoc., Am. Physiol. Soc., Am. Soc. Naturalists, Am. Assoc. Anat. (Past-Pres't). <i>Wistar Institute, 36th St. and Woodland Ave., Philadelphia.</i>	1906
<b>Doolittle, Charles L., C.E., Sc.D., LL.D.</b> Professor Emeritus of Astronomy, University of Pennsylvania. Mem. Am. Astron. Soc., Astronom. Gesell. <i>4523 Pine Street, Philadelphia.</i>	1881
<b>Doolittle, Eric, C.E.</b> Professor of Astronomy, University of Pennsylvania. Fell. Royal Astron. Soc. <i>University of Pennsylvania, Philadelphia.</i>	1903
<b>Dougherty, Thomas Harvey, B.S.</b> <i>West School Lane, Germantown, Philadelphia.</i>	1899
<b>Douglas, James, B.A., LL.D.</b> Mem. Am. Inst. Mining Eng. (Past-Pres't), Canadian Mining Inst., Am. Geog. Soc., Royal Soc. Arts, Royal Inst. of Gt. Br., Mining and Metal. Soc. of Gt. Br., Iron and Steel Inst., Inst. of Mining and Metal., North of England Inst. Mining and Mechan. Eng. <b>Medal</b> —John Fritz (1915). <i>99 John St., New York City.</i>	1877
<b>Draper, Daniel, Ph.D.</b> Late Director, New York Meteorological Observatory, Central Park. <i>Hastings-on-Hudson, N. Y.</i>	1880
<b>Duane, Russell, A.B., LL.B.</b> Formerly Junior Council for the U. S. in Behring Sea Arbitration. <i>1617 Land Title Bldg., Philadelphia.</i>	1906
<b>DuBois, Patterson.</b> <i>401 S. 40th St., Philadelphia.</i>	1880
<b>duPont, Hon. Henry Algernon.</b> U. S. Senator (1906-17), Mem. Military Service Inst. <b>Medals</b> —Congressional, for distinguished gallantry during the battle of Cedar Creek. <i>Winterthur, Delaware.</i>	1894
<b>duPont, Pierre Samuel, B.S.</b> President of E. I. duPont de Nemours & Co. <i>duPont Bldg., Wilmington, Delaware.</i>	1917
<b>Durand, William Frederick, Ph.D.</b> Professor of Mechanical Engineering, Leland Stanford Jr. University. Mem. Nat. Acad. Sci., Am. Acad. Eng., Am. Soc. Mechan. Eng., Am. Soc. of Naval Architects and Marine Eng., Am. Soc. Naval Eng., Soc. Tech. Maritime, Assoc. Mem. Am. Inst. Elect. Eng. <b>Medal</b> —Gold, Am. Soc. Naval Eng. <i>Stanford University, California.</i>	1917
<b>East, Edward Murray, M.S., Ph.D.</b> Professor of Experimental Plant Morphology, Harvard University. Fell. Am. Acad. Arts and Sci.,	1916

## 14 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

Date of  
ElectionAm. Soc. Naturalists. *Bussey Institution, Jamaica Plain, Boston, Mass.***Eckfeldt, Jacob B.** Assayer, U. S. Mint. Mem. Am. Chem. Soc. U.S. 1880  
*Mint, Philadelphia.***Eddy, H. Turner**, M.A., C.E., Ph.D., Sc D., LL.D. Professor of Mathematics and Mechanics. College of Engineering. University of Minnesota. 916 S. E. Sixth St., Minneapolis, Minn.**Edison, Thomas Alva**, Ph.D., D.Sc. *Llewellyn Park, Orange, N. J.* 1896**Edmunds, Hon. George Franklin**, A.M., LL.D. U. S. Senator 1866-91. 1895  
*841 S. Orange Grove Ave., Pasadena, Cal.***Edsall, David Linn**, A.B., M.D., S.D. Professor of Clinical Medicine. 1906  
Harvard University. Fell. Am. Acad. Arts and Sci., Mem. Assoc. Am. Phys. 80 Marlborough St., Boston, Mass.**Eigenmann, Carl H.**, A.M., Ph.D. Professor of Zoology. Indiana University. Mem. Ind. Acad. Sci. (Past-Pres't), Am. Micr. Soc. (Past-Pres't), Am. Soc. Naturalists, Wash. Acad. Sci. *Bloomington, Ind.* 1917**Eisenhart, Luther Pfahler**, A.B., Ph.D. Professor of Mathematics. 1913  
Princeton University. Mem. Am. Math. Soc. 22 Alexander St., Princeton, N. J.**Eliot, Charles W.**, A.M., M.D., Ph.D., LL.D. President Emeritus of 1871  
Harvard University. Fell. Am. Acad. Arts and Sci. Mem. Mass. Hist. Soc., Corr. Mem. Acad. Moral and Polit. Sci. (Inst. de France), British Acad. 17 Fresh Pond Parkway, Cambridge, Mass.**Emerson, Benjamin Kendall**, A.M., Ph.D. Professor of Geology and 1897  
Mineralogy. Amherst College. Fell. Am. Acad. Arts and Sci., Mem. Geol. Soc. Am. (Past-Pres't), Am. Geog. Soc., Wash. Acad. Sci., Deut. Geol. Gesell. *Amherst, Mass.***Emmet, William LeRoy**, Sc.D. Engineer, General Electric Co. Mem. 1898  
Am Inst. Elect. Eng., Am. Soc. Mech. Eng., Am. Soc. Naval Eng.  
**Medals**—St. Louis Expos. for Vertical Shaft Turbine; San Francisco Expos. for Electric Ship Propulsion. *Care of General Electric Co., Schenectady, N. Y.***Ewell, Marshall Davis**, A.M., M.D., LL.D. Mem. Am. Microscop. Soc. 1895  
(Past-Pres't), Am. Phys. Soc., Fell. R. Microscop. Soc. (Lond.).  
*Room 619, 155 N. Clark St., Chicago, Ill.***Farlow, William Gilson**, A.M., M.D., Ph.D. (Upsala), LL.D. (Harv., 1905  
Glasgow and Wisconsin). Professor of Cryptogamic Botany, Harvard University. Fell. Am. Acad. Arts and Sci., Mem. Nat. Acad. Sci. A. A. A. S. (Past-Pres't), Linnean Soc. Lond., Deut. Botan. Gesell., Botan. Soc. of Edinburgh. 24 Quincy St., Cambridge, Mass.

	Date of Election
<b>Field, Robert Patterson.</b> <i>The Normandie, 36th and Chestnut Sts., 1890 Philadelphia.</i>	
<b>Fine, Henry Burchard, A.M., Ph.D., LL.D.</b> Professor of Mathematics. 1897 Princeton University. Mem. Am. Math. Soc. (Pres't. 1911-12). <i>Library Place, Princeton, N. J.</i>	
<b>Fisher, Sydney George, B.A., Litt.D., LL.D.</b> <i>576 Bourse Bldg., Philadelphia.</i> 1897	
<b>Flexner, Simon, M.D., D.Sc., LL.D.</b> Director of Laboratories, Rockefeller Institute for Medical Research, N. Y. Fell. N. Y. Acad. Med., Mem. Nat. Acad. Sci., Assoc. of Am. Phys. (Past-Pres't), Soc. Exper. Biology and Med. (Past-Pres't), Am. Assoc. of Path. and Bact., Corr. Mem. Medico-Chi. Soc. of Bologna. Soc. Path. Exotique, Imp. Inst. of Experiment. Therapy (Frankfort a/M). <i>Rockefeller Institute for Medical Research, 66th St. and Ave. A, New York City.</i>	1901
<b>Fraley, Joseph Cresson, A.M.</b> Mem. Am. Electrochem. Soc. <i>1815 Land Title Bldg., Philadelphia.</i> 1880	
<b>Francke, Kuno, Ph.D., Litt.D., LL.D.</b> Professor of the History of German Culture and Curator of Germanic Museum, Harvard University. Fell. Am. Acad. Arts and Sci. <i>Cambridge, Mass.</i>	1904
<b>Franklin, Edward Curtis, B.S., M.S., Ph.D.</b> Professor of Organic Chemistry, Leland Stanford Jr. University. Mem. Wash. Acad. Sci., Calif. Acad. Sci., Nat. Acad. Sci., Am. Chem. Soc. <i>Stanford University, Cal.</i>	1912
<b>Frazier, Charles Harrison, B.A., M.D., Sc.D.</b> Professor of Clinical Surgery, University of Pennsylvania. Mem. Am. Surg. Assoc., Am. Neurolog. Assoc., Soc. Clin. Surg. <i>1724 Spruce St., Philadelphia.</i>	1905
<b>Frost, Edwin Brant, A.M., D.Sc. (Cantab.).</b> Professor of Astrophysics and Director of Yerkes Observatory, University of Chicago. Mem. Nat. Acad. Sci., Astron. Gesell., For. Assoc. R. Astron. Soc. Lond., For. Mem. Soc. Spettros. Ital., Hon. Mem. R. Astron. Soc. of Can., Fell. Am. Acad. Arts and Sci. <i>Yerkes Observatory, Williams Bay, Wis.</i>	1909
<b>Fullerton, George Stuart, M.A., B.D., Ph.D., LL.D.</b> Professor of Philosophy, Columbia University, New York. Hon. Prof. Univ. Vienna, Mem. Am Psycholog. Assoc. (Past-Pres't). <i>Leopoldstrasse 7, Munich, Bavaria.</i>	1890
<b>Fulton, John.</b> <i>113 Park Place, Johnstown, Pa</i>	1873
<b>Furness, Horace Howard, Jr., A.B., Litt.D.</b> Mem. Am. Inst. Arts and Letters. <i>2034 DeLancey Place, Philadelphia</i>	1897

## 16 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
<b>Furness, William Henry, 3d, A.B., M.D.</b> Fell. R. Geog. Soc., Anthropol. 1897 Inst. Gt. Br., Mem. Soc. de Geog. de France, Am. Orient. Soc. <i>Wallingford, Pa.</i>	
<b>Gates, Merrill Edwards, A.M., Ph.D., LL.D., L.H.D.</b> President of Amherst College, 1890-99. <i>1309 Rhode Island Ave., Washington, D. C.</i>	1889
<b>Gies, William J., Ph.D., Sc.D.</b> Professor of Biological Chemistry, 1915 Columbia University. Mem. Soc. Exper. Biol. and Med., Am. Soc. Biol. Chem., Am. Chem. Soc., Am. Physiol. Soc., Deut. Chem. Gesell., N. Y. Acad. Sci. <i>Columbia University, New York City.</i>	
<b>Gilbert, Grove Karl, A.M., LL.D.</b> Geologist, U. S. Geological Survey, 1902 Fell. A. A. A. S. (Pres't, 1901), For. Fell. Lond. Geol. Soc., Mem. Nat. Acad. Sci., Geolog. Soc., Am. (Past-Pres't), Soc. of Am. Naturalists, Wash. Geolog. Soc., Philos. Soc. Wash. <b>Medals</b> — Wollaston (1899), Walker Grand Prize (Bost. Soc. Nat. Hist.), Nat. Geog. Soc., Am. Geog. Soc. <i>1919 16th St., Washington, D. C.</i>	
<b>Gildersleeve, Basil Lanneau, Ph.D., LL.D., Litt.D.</b> Professor of Greek, 1903 Johns Hopkins University. Hon. Mem. Cambridge Philol. Soc., Philol. Syllogos of Constantinople, Archaeolog. Soc. Athens, Soc. for Promotion of Hellenic Studies, Corr. Fell. British Acad., Mem. Am. Acad. Arts and Sci. <i>1002 N. Calvert St., Baltimore, Md.</i>	
<b>Goethals, George Washington, LL.D.</b> Major-General U. S. A. (Retired). <i>43 Exchange Place, New York City.</i>	1913
<b>Gooch, Frank Austin, A.M., Ph.D.</b> Professor of Chemistry and Director of the Kent Chemical Laboratory, Yale University. Fell. 1907 Am. Acad. Arts and Sci., Mem. Nat. Acad. Sci., Conn. Acad. Arts and Sci., N. Y. Acad. Sci., Am. Chem. Soc. <i>291 Edwards St., New Haven, Conn.</i>	
<b>Goodale, George Lincoln, A.M., M.D., LL.D.</b> Professor Emeritus of 1893 Botany, Harvard University. Fell. Am. Acad., Arts and Sci., N. Y. Acad. Sci., Mem. A. A. A. S. (Past-Pres't), Nat. Acad. Sci., Calif. Acad. Sci., Bost. Soc. Nat. Hist. (Past-Pres't). <i>Cambridge, Mass.</i>	
<b>Goodspeed, Arthur Willis, A.B., Ph.D.</b> Professor of Physics and Director of Physical Laboratory, University of Pennsylvania. Mem. 1896 N. H. Antiq. Soc. (Pres't), Am. Phys. Soc., Am. Roentgen Ray Soc. (Past-Pres't), Soc. of Arts, Lond., Soc. Fran. de Phys. <b>Medal</b> —Franklin (Boston, 1880). <i>University of Pennsylvania, Philadelphia.</i>	
<b>Goodwin, Harold, A.M., LL.B.</b> Mem. Am. Acad. Pol. and Soc. Sci. 1892 <i>3927 Locust St., Philadelphia.</i>	
<b>Gordon, George Byron, Sc.D.</b> Assistant Professor of Anthropology and 1910 Director of Museum, University of Pennsylvania. Mem. Am.	

	Date of Election
Anthrop. Assoc. <i>University Museum, 33d and Spruce Sts., Philadelphia.</i>	
<b>Gorgas, William Crawford, M.D., Sc.D., LL.D.</b> Surgeon-General U. S. 1913 A. Fell. Coll. Phys., Phila., N. Y. Acad. Med., Am. Med. Assoc. (Pres't, 1908-09), Am. Soc. Tropical Med. <b>Medals</b> —Mary Kingsley (Liverpool School of Tropical Medicine, 1907); Gold (Am. Museum of Safety, 1914). <i>Surgeon-General's Office, U. S. A., Washington, D. C.</i>	
<b>Gray, Hon. George, A.M., LL.D.</b> U. S. Senator (1885-99). Mem. Paris Peace Comm. 1898, Permanent Court of Internat. Arbitration, Judge U. S. Circuit Court of Appeals, 1899-1904. American-Mexican Joint Comm., 1916. <i>Wilmington, Del.</i>	1900
<b>Greeley, Adolphus Washington.</b> Chief Signal Officer U. S. A. 1887- 1904 1891. 1914 <i>G St., N. W., Washington, D. C.</i>	1904
<b>Green, Samuel Abbott, A.M., M.D., LL.D.</b> Mem. Mass. Historical Soc. 1893 (V.P.). <i>Massachusetts Historical Society, Boston, Mass.</i>	1893
<b>Greene, William Houston, A.M., M.D.</b> 2130 <i>Spruce St., Philadelphia.</i> 1879	1879
<b>Greenman, Milton J., Ph.B., M.D., Sc.D.</b> Director of the Wistar Institute of Anatomy. Fell. Coll. Phys. Phila., Phila. Neurolog. Soc., Am. Assoc. of Anat. 3618 <i>Woodland Ave., Philadelphia.</i> 1899	1899
<b>Griffith, J. P. Crozer, A.B., M.D., Ph.D.</b> Professor of Pediatrics, University of Pennsylvania. Mem. Assoc. Am. Phys., Am. Pediatric Soc. (Past-Pres't), Corr. Mem. Soc. de Pediatrie de Paris. 1870 <i>Spruce St., Philadelphia.</i> 1907	1907
<b>Gummere, Francis Barton, A.B., Ph.D., LL.D., Litt.D.</b> Professor of English Literature in Haverford College. Mem. Nat. Inst. Arts and Letters, Modern Language Assoc. of Am. (Pres't 1905-06). <i>Haverford, Pa.</i> 1903	1903
<b>Hadley, Arthur Twining, M.A., Ph.D., LL.D.</b> President of Yale University. Trustee Carnegie Fund for Adv. of Teaching, Mem. Internat. Inst. of Statistics, Am. Economic Assoc. (Pres't 1898-1900), Am. Acad. Arts and Letters. <b>Medal</b> —Paris Expos. (1889) for Advancement of Knowledge of Railroad Economics. <i>Yale University, New Haven, Conn.</i> 1902	1902
<b>Hale, George Ellery, Sc.D., Ph.D., LL.D.</b> Director of Solar Observatory, Carnegie Institution of Washington, Mt. Wilson, Cal. Fell. Royal Soc., Lond., Mem. Accad. dei Lincei (Rome), Amsterdam Acad. Sci., Vienna Acad. Sci., Corr. Mem. Inst. de France, Hon. Mem. Vienna Acad. Sci., Royal Soc., Upsala, Accad. Gioenia, Catania, Soc. degli Spettros. Ital., Royal Inst., Gt. Brit., Physical Soc., Lond., For. Assoc. Roy. Astron. Soc., Mem. Nat. Acad. Sci., N. Y. Acad. of Sci., Astron. and Astrophys. Soc. of Am. <b>Medals</b> —Janssen,	1902

Date of  
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Paris Acad. Sci. (1894); Rumford (1902); Draper (1903); Gold, Roy. Astron. Soc. (1904). <i>Solar Observatory Office, Pasadena, Cal.</i>	
Hall, Charles Edward. <i>Calle Glaceres 264, Guadalajara, Mexico.</i>	1875
Hall, Lyman Beecher, A.B., Ph.D. Professor of Chemistry, Haverford College. Mem. Am. Chem. Soc., Deut. Chem. Gesell. <i>Haverford College, Haverford, Pa.</i>	1885
Harper, Robert A., M.A., Ph.D. Professor of Botany, Columbia University. Mem. Nat. Acad. Sci., Bot. Soc. Am. (Pres't), Deut. Botan. Gesell., Phytopath. Soc. Am., Am. Acad. Arts and Sci. <i>Columbia University, New York City.</i>	1909
Harrison, Charles Custis, A.M., LL.D. Provost of the University of Pennsylvania, 1894-1911. <i>400 Chestnut St. Philadelphia.</i>	1895
Harrison, Ross G., M.A., Ph.D., M.D. Professor of Comparative Anatomy, Yale University. Mem. Nat. Acad. Sci., Am. Soc. Naturalists (Pres't, 1912-13), Am. Assoc. Anat. (Pres't, 1911-13), Am. Soc. Zool., Am. Physiol. Soc., Anat. Gesell., Inst. Internat. d'Embryol. Medal—Rainer (K. K. Zoolog. Botan. Gesell. of Vienna, 1914). <i>Osborne Zoological Laboratory, Yale University, New Haven, Conn.</i>	1913
Harshberger, John W., A.B., B.S., Ph.D. Professor of Botany, University of Pennsylvania. Fell. Am. Geog. Soc., Mem. Botan. Soc. of Am., Ecological Soc. of Am. <i>4839 Walton Ave., Philadelphia.</i>	1906
Hastings, Charles S., Ph.D. Professor of Physics, Sheffield Scientific School, Yale University. Mem. Nat. Acad. Sci., Am. Phys. Soc. <i>248 Bradley St., New Haven, Conn.</i>	1906
Haupt, Lewis M., A.M., Sc.D., LL.D. Mem. Am. Soc. Civil Eng., Am. Inst. Min. Eng., Soc. de Geog. Medals—Magellanic Premium (A. P. S. 1887), Paris Expos. (1900), St. Louis Expos. (1904). <i>Cynwyd, Pa.</i>	1878
Haupt, Paul, M.A., Ph.D., LL.D. Professor of Semitic Languages, Johns Hopkins University. Mem. Am. Orient. Soc. (Pres't, 1913-14), Soc. of Biblical Lit. and Exegesis. (Pres't, 1905-06), Soc. Biblical Arch. (Lond.), Deut. Morgenland. Gesell., Deut. Orient Gesell., Vorderasiatische Gesell. <i>215 Longwood Road, Roland Park, Baltimore, Md.</i>	1902
Hawk, Philip Bovier, M.S., Ph.D. Professor of Physiological Chemistry and Toxicology, Jefferson Medical College, Philadelphia. Mem. Am. Chem. Soc., Am. Physiol. Soc., Am. Soc. Biol. Chemists, Soc. for Exp. Biol. and Med., Wash. Acad. Sci. <i>Jefferson Medical College, Philadelphia.</i>	1915

	Date of Election
<b>Hayford, John F., C.E.</b> Director of the College of Engineering, Northwestern University. Mem. Nat. Acad. Sci., Astron. and Astrophys. Soc. of Am., Am. Soc. of Civil Eng., Western Soc. of Eng. <i>College of Engineering, Northwestern University, Evanston, Ill.</i>	1915
<b>Hays, I. Minis, A.M., M.D.</b> Mem. Assoc. Am. Phys., Coll. Phys., Phila., 1886 Hon. Mem. Georgia Med. Soc. <i>266 S. 21st St., Philadelphia.</i>	1886
<b>Herty, Charles Holmes, Ph.D., D.Chem.</b> Late Professor of Chemistry, 1917 University of North Carolina. Mem. Am. Chem. Soc. (Pres't, 1915), Chem. Soc., Lond., Soc. Chem. Industry, Am. Electrochem. Soc., Soc. Chim. de France, Deut. Chem. Gesell. <i>35 E. 41st St., New York City.</i>	1917
<b>Hewett, Waterman T., M.A., Ph.D.</b> Professor Emeritus of the German Language and Literature, Cornell University. Mem. Am. Philolog. Soc., Modern Lang. Assoc. of Am., Soc. of Frisian Hist., Antiq. and Philol., Mem. Extr. Soc. of Frisian Lang. and Lit. <i>Cornell University, Ithaca, N. Y.</i>	1893
<b>Hibben, John Grier, M.A., Ph.D., LL.D., Litt.D.</b> President of Princeton University. <i>Princeton, N. J.</i>	1912
<b>Hill, David Jayne, A.M., LL.D., Doct. ès Lettres.</b> Formerly Ambassador to Germany. Mem. Am. Hist. Soc., Am. Soc. Internat. Law, National Assoc. for Constitutional Govt. (Pres't). <i>1745 Rhode Island Ave., Washington, D. C.</i>	1910
<b>Hillebrand, William Francis, Ph.D.</b> Chief Chemist U. S. Bureau of Standards. Mem. Nat. Acad. Sci., Am. Chem. Soc. (Pres't, 1906), Wash. Acad. Sci., Geolog. Soc., Wash., Am. Soc. for Testing Materials, Corr. Mem. K. Gesell. der Wissen. Göttingen. <i>2023 Newark St., N. W., Washington, D. C.</i>	1906
<b>Hiller, Hiram M., B.S., M.D.</b> <i>9th and Parker Sts., Chester, Pa.</i>	1897
<b>Himes, Charles Francis, A.M., Ph.D., LL.D.</b> Professor (retired) of Physics, Dickinson College, Pa. Mem. N. Y. Acad. Sci., Maryland Acad. of Sci. <i>Carlisle, Pa.</i>	1874
<b>Hirst, Barton C., A.B., M.D., LL.D.</b> Professor of Obstetrics, University of Pennsylvania. Fell. Coll. of Phys., Phila., Mem. Am. Gyn. Soc., Corr. Mem. Paris Obstet. and Gynecolog. Soc. <i>1821 Spruce St., Philadelphia.</i>	1899
<b>Hitchcock, Charles Henry, A.M., Ph.D., LL.D.</b> New Hampshire State Geologist 1868-78. Mem. Portland Nat. Hist. Soc., Boston Soc. Nat. Hist., N. Y. Acad. Sci., St. Louis Acad. Sci. <i>P. O. Box 632, Honolulu, Hawaii.</i>	1870
<b>Hobbs, William Herbert, D.Sc., A.M., Ph.D.</b> Professor of Geology and Director of Geological Laboratory, University of Michigan. Mem. Mich. Acad. Sci. (Pres't), Washington Acad. Sci. <i>University of Michigan, Ann Arbor, Mich.</i>	1909

## 20 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
<b>Holland, James W., A.M., M.D., Sc.D.</b> Emeritus Professor of Medical Chemistry and Toxicology, Jefferson Medical College, Phila. Fell. Coll. Phys., Phila. 2006 Chestnut St., Philadelphia.	1886
<b>Holmes, William Henry.</b> Head Curator of Department of Anthropology, U. S. National Museum. Mem. Nat. Acad. Sci., Anthropol. Soc., Wash. (Pres't, 1900), Am. Folk-lore Soc., Archaeol. Inst. of Gt. Brit., Am. Anthropol. Assoc. (Pres't, 1909). <i>National Museum, Washington, D. C.</i>	1899
<b>Hopkins, Edward Washburn, A.M., Ph.D., LL.D.</b> Professor of Sanskrit and Comparative Philology, Yale University. Mem. Am. Orient. Soc. (Past-Pres't), Am. Philol. Assoc., German Orient. Soc., Royal Asiatic Soc., Fell. Am. Acad. Arts and Sci. 299 Lawrence St., New Haven, Conn.	1908
<b>Howard, Leland Ossian, M.D., Ph.D., LL.D.</b> Chief of Bureau of Entomology, U. S. Dept. of Agriculture. Curator of Insects U. S. Nat. Museum, Consulting Entomologist U. S. Public Health Service. <i>U. S. Department of Agriculture, Washington, D. C.</i>	1911
<b>Howe, Henry Marion, A.M., Sc.D., LL.D.</b> Professor Emeritus of Metallurgy, Columbia University. Fell. N. Y. Acad. Sci., Am. Acad. Arts and Sci., Am. Soc. for Testing Materials (Past-Pres't), Am. Inst. Mining Eng. (Past-Pres't), Internat. Assoc. for Testing Materials (Past-Pres't), Am. Iron and Steel Inst., Hon. Mem. Royal Swedish Acad. of Sci., Russian Imp. Tech. Soc., Russian Metallurg. Soc., Cleveland Inst. Eng. (Eng.), Inst. of Min. and Metallurg. (England), Soc. d'Encouragement pour l'Industrie Nationale (France), Knight of the Order of St. Stanislaus, Russia, Chevalier of Legion of Honor of France. Medals—Bessemer (Iron and Steel Inst. of Gt. Br.), Elliot Cresson (Franklin Inst. of Phila.), Gold, Verein zur Beförderung des Gewerbefl. (Berlin). <i>Broad Brook Road, Bedford Hills, N. Y.</i>	1897
<b>Howell, William Henry, A.B., M.D., Ph.D., Sc.D., LL.D.</b> Professor of Physiology, Johns Hopkins University. Mem. Nat. Acad. Sci., Am. Physiolog. Soc. (Past-Pres't). <i>Johns Hopkins Medical School, Baltimore, Md.</i>	1903
<b>Huber, G. Carl, M.D.</b> Professor of Anatomy and Director of Anatomical Laboratory, University of Michigan. Fell. Coll. Phys., Phila., Am. Physiol. Soc., Soc. Am. Naturalists, Am. Assoc. Path. and Bact., Am. Assoc. Anat. (Pres't, 1914-15). 1330 Hill St., Ann Arbor, Mich.	1912
<b>Hulett, George A., A.B., Ph.D.</b> Professor of Physics and Chemistry, Princeton University. Mem. Am. Chem. Soc., Am. Phys. Soc., Am. Electrochem. Soc. 44 Washington Road, Princeton, N. J.	1913
<b>Hutchinson, Emlen, A.B.</b> 308 Walnut St., Philadelphia.	1898

	Date of Election
<b>Iddings, Joseph Paxson, Ph.B., Sc.D.</b> Geologist U. S. Geological Survey. Mem. Nat. Acad. Sci., Geol. Soc., Am. Hon. Mem. N. Y. Acad. Sci. For. Mem. Geol. Soc., Lond., Scientific Soc. Christiania, Société de Minéral. <i>Brinklow, Md.</i>	1911
<b>d'Invilliers, Edward Vincent.</b> Mem. Geol. Soc. Am., Mining and Metall. Soc. Am., Am. Inst. Mining Eng. <i>518 Walnut St., Philadelphia.</i>	1893
<b>Ives, Herbert E., B.S., Ph.D.</b> Physicist, United Gas Improvement Co. Mem. Am. Phys. Soc., Illum. Eng. Soc., Am. Inst. Elect. Eng., Am. Gas Inst. <b>Medals</b> —Longstreth (Franklin Inst., 1906 and 1914). <i>229 E. Meade St., Chestnut Hill, Philadelphia.</i>	1917
<b>Jackson, A. V. Williams, A.M., L.H.D., LL.D.</b> Professor of Indo-Iranian Languages, Columbia University, N. Y. Mem. Am. Oriental Soc. (Pres't, 1915-16). <i>Columbia University, New York City.</i>	1909
<b>James, Edmund Janes, A.M., Ph.D., LL.D.</b> President of University of Illinois. Mem. Am. Econ. Assoc., Am. Acad. Polit. and Soc. Sci. (Pres't, 1889-1901), Fell. Roy. Statist. Soc., Dublin, Soc. d'Econ. Polit., Paris. <i>University of Illinois, Urbana-Champaign, Ill.</i>	1884
<b>Jastrow, Morris, Jr., M.A., Ph.D., LL.D.</b> Professor of Semitic Languages, University of Pennsylvania. Mem. Am. Orient. Soc. (Pres't, 1914-15), Soc. of Biblical Lit. (Pres't, 1916). <i>248 S. 23d St., Philadelphia.</i>	1897
<b>Jayne, Henry LaBarre, A.B.</b> <i>1035 Spruce St., Philadelphia.</i>	1898
<b>Jennings, Herbert S., B.S., A.M., Ph.D., LL.D.</b> Professor of Zoology and Director of the Zoological Laboratory, Johns Hopkins University. Mem. Nat. Acad. Sci., Am. Soc. Zool. (Pres't, 1908), Am. Soc. Naturalists (Pres't, 1909), Fell. Am. Acad. Arts and Sci., Hon. Fell. Roy. Micros. Soc., Lond. <i>Johns Hopkins University, Baltimore, Md.</i>	1907
<b>Johnson, Alba B., A.B., LL.D.</b> President of the Baldwin Locomotive Works, Phila. Mem. Am. Acad. Polit. and Soc. Sci. <i>Rosemont, Pa.</i>	1911
<b>Johnson, Emory R., Litt.M., Ph.D., Sc.D.</b> Professor of Transportation and Commerce, University of Pennsylvania. Mem. Nat. Inst. of Social Sci., Assoc. of Am. Geog., Am. Economic Assoc., Am. Polit. Sci. Assoc., Am. Acad. Polit. and Soc. Sci. <i>Logan Hall, University of Pennsylvania, Philadelphia.</i>	1915
<b>Jordan, David Starr, M.S., M.D., Ph.D., LL.D.</b> Chancellor of Stanford University. Mem. Calif. Acad. Sci. (Past-Pres't). A. A. A. S. (Pres't, 1909-10), Biolog. Soc. Wash., Zoolog. Soc., Lond., Acad. Sci., Sweden. <b>Medals</b> —Fisheries Congress (Lond., 1883), and for Peace work (Tokio, 1911). <i>Stanford University, Cal.</i>	1905

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	Date of Election
Kane, Elisha Kent. <i>Silverside Kushequa, Pa.</i>	1883
Keane, Rt. Rev. John James. <i>Archbishop of Dubuque. Dubuque, Ia.</i>	1889
Keasbey, Lindley Miller, A.M., Ph.D., R.P.D. Professor of Political Science, University of Texas. <i>Box K, University Station, Austin, Tex.</i>	1899
Keen, Gregory Bernard, A.M., LL.D. <i>1300 Locust St., Philadelphia.</i>	1897
Keen, William W., M.D., Sc.D., Ph.D., LL.D. Emeritus Professor of Surgery, Jefferson Medical College. Fell. Coll. Phys., Phila. (Past-Pres't), Am. Surg. Assoc. (Past-Pres't), Am. Med. Assoc. (Past-Pres't), Hon. Fell. Roy. Coll. Surg. (England and Edinburgh), For. Corr. Mem. Soc. de Chirurgie de Paris, Soc. Belge de Chir., Clin. Soc., Lond., Deut. Gesell für Chir., Italian Surg. Soc., Palermo Surg. Soc., Berlin. Med. Gesell. <i>1729 Chestnut St., Philadelphia.</i>	1884
Keiser, Edward Harrison, M.S., Ph.D. Professor of Chemistry, National University, St. Louis. Mem. Deut. Chem. Gesell., Soc. Chem. Industry. Am. Chem. Soc. <i>534 Linden Ave., Clayton, St. Louis Co., Mo.</i>	1898
Keller, Harry F., Nat. Ph.D. (Strassb.), Sc.D. Principal Germantown High School, Phila. Mem. Am. Chem. Soc. <i>2313 Green St., Philadelphia.</i>	1900
Kemp, James Furman, A.B., E.M., D.Sc., LL.D. Professor of Geology, Columbia University. Fell. Geol. Soc. Am., N. Y. Acad. Sci. (Pres't, 1908 and 1911), Mem. Nat. Acad. Sci., Am. Inst. Mining Eng. (Pres't, 1912), Mining and Metal. Soc., Am. (Pres't, 1913), Wash. Acad. Sci. Corr. Mem. Geolog. Soc., Stockholm, Acad. Sci., Christiania, Soc. Cien. "Antonio Alzate," Mex., Soc. Geologico, Mex. Medal—Mining and Metal. Soc., Am. (1916). <i>Schermerhorn Hall, Columbia University, New York City.</i>	1912
Kennelly, Arthur Edwin, A.M., Sc.D. Director Research Division, Electrical Engineering Dep't, Massachusetts Institute of Technology. Mem. Inst. Electr. Eng., Am. Math. Soc., Am. Phys. Soc., Hon. Mem. N. Y. Electr. Soc., Nat. Electr. Light Assoc., Am. Electrotherap. Assoc. <i>Harvard University, Cambridge, Mass.</i>	1896
Kittredge, George Lyman, A.B., Litt.D., LL.D. Professor of English, Harvard University. Fell. Am. Acad. Arts and Sci., Mem. Mass. Hist. Soc., Am. Antiq. Soc., Am. Philol. Soc., Hon. Fell. Roy. Soc. Lit., Corr. Fell. Brit. Acad. <i>8 Hilliard St., Cambridge, Mass.</i>	1905
Kraemer, Henry, Ph.D., Ph.M. Professor of Botany and Pharmacognosy, Philadelphia College of Pharmacy. Mem. Internat. Botan. Soc., Bot. Soc. of Am., Am. Soc. of Nat. Corr. Mem. Soc. de Pharm. de Paris. <i>424 S. 44th St., Philadelphia.</i>	1899

	Date of Election
<b>Lambert, Preston Albert, M.A.</b> Professor of Mathematics, Lehigh University. Mem. Am. Math. Soc., Math. Assoc., Am. 215 S. Centre St., Bethlehem, Pa.	1904
<b>Landreth, Burnet.</b> Hon. Mem. Imp. Agric. Soc., Japan. Roy. Hort. Soc., Lond., Soc. des Agric. de France. <i>Bristol, Pa.</i>	1878
<b>Lanman, Charles R., A.B., Ph.D. LL.D.</b> Professor of Sanskrit, Harvard University. Fell. Am. Acad. Arts and Sci., Am. Philol. Assoc., Am. Orient. Soc. (Pres't, 1907). For. Mem. Roy. Bohem. Soc. of Sci. Hon. Mem. Asiatic Soc. of Bengal, Roy. Asiatic Soc., Soc. Asiatische, Paris, Deut. Morgenländ. Gesell. Corr. Mem. Roy. Soc. of Sci., Göttingen, Imp. Acad. Sci., Russia, Acad. des Inscript. et Belles Lettres. 9 <i>Farrar St., Cambridge, Mass.</i>	1906
<b>Lea, Arthur H., A.B.</b> 960 <i>Drexel Building, Philadelphia.</i>	1912
<b>LeConte, Robert Grier, A.B., M.D.</b> Fell. Coll. Phys., Phila., Mem. Am. Surg. Assoc. (Pres't, 1916), Am. Coll. Surgeons, Soc. Clin. Surg., Int. Soc. of Surg. 1530 <i>Locust St., Philadelphia.</i>	1905
<b>Lewis, John Frederick, A.M.</b> President of the Pennsylvania Academy of the Fine Arts. 1914 <i>Spruce St., Philadelphia.</i>	1909
<b>Libbey, William, M.A., Sc.D.</b> Professor of Physical Geography, Princeton University. Mem. Am. Geog. Soc., N. Y. Acad. Sci., Boston Soc. Nat. Hist., Roy. Geol. Soc., Lond., Geol. Soc. of Am., Soc. of Am. Naturalists. Fell. Roy. Geog. Soc. <i>Princeton, N. J.</i>	1897
<b>Lillie, Frank Rattray, B.A., Ph.D.</b> Chairman, Department of Zoology, University of Chicago. Mem. Am. Soc. of Zoologists (Past-Pres't), Am. Soc. Naturalists (Pres't, 1914). Nat. Acad. Sci. <i>University of Chicago, Chicago, Ill.</i>	1916
<b>Lindgren, Waldemar, M.E., D.Sc.</b> Professor of Economic Geology, Massachusetts Institute of Technology. Mem. Nat. Acad. Sci., Am. Inst. Mining Eng., Min. and Metallurg. Soc., Am., Wash. Acad. Sci. Fell. Am. Acad. Arts and Sci. Corr. Mem. Geol. Soc., Sweden, Mineralog. Soc., Russia. <i>Massachusetts Institute of Technology, Cambridge, Mass.</i>	1917
<b>Lingelbach, William E., B.A., Ph.D.</b> Professor of Modern European History, University of Pennsylvania. Mem. Am. Hist. Assoc., Geog. Soc. of Phila. (Pres't, 1915-1916). 4304 <i>Osage Ave., Philadelphia.</i>	1916
<b>Loeb, Jacques, M.D., Ph.D., Sc.D.</b> Member of Rockefeller Institute for Medical Research, Nat. Acad. Sci., Wash. Acad. Sci., Am. Physiol. Soc., Am. Soc. Biol. Chem. Fell. Am. Acad. Arts and Sci., Corr. Mem. Acad. des Science de Paris, Acad. Sci., Krakau, Soc. de Biol., Paris, Senckenberg. Nat. Gesell. Frankfurt a/M.,	1899

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	Date of Election
Physik-Med. Gesell., Erlangen, Med. Gesell., Wien, Med. Gesell., Budapest. For. Mem. Linnean Soc., Lond., Acad. Roy. des Sci., Brussels. Hon. Mem. Acad. Roy. de Med., Brussels, Soc. Imp. des Amis des Sci. Nat., Moscow, Cambridge Philos. Soc., England. <i>Rockefeller Institute for Medical Research, 66th St. and Ave. A, New York City.</i>	
<b>Loeb, Leo, M.D. (Zurich).</b> Professor of Comparative Pathology, Washington University, St. Louis. Mem. Am. Physiol. Soc., Am. Soc. Exper. Path., Soc. Exper. Biol. and Med., Assoc. Am. Phys., Am. Assoc. of Path. and Bact. (Past-Pres't), Am. Assoc. for Cancer Research (Past-Pres't). <i>Washington University Medical School, St. Louis, Mo.</i>	1910
<b>Lovett, Edgar Odell, A.M., Ph.D., LL.D.</b> President of the Rice Institute. Fell. Royal Astron. Soc. Mem. Am. Math. Soc. and of Math. Societies of France, London and Palermo, Nat. Inst. of Social Sciences, Am. Acad. of Polit. Sci. <i>Rice Institute, Houston, Tex.</i>	1904
<b>Lowell, Abbott Lawrence, A.B., LL.B., LL.D., Ph.D.</b> President of Harvard University. <i>Harvard University, Cambridge, Mass.</i>	1909
<b>Lyman, Benjamin Smith, A.B.,</b> Mem. Am. Inst. Min. Eng., Hon. Mem. Mining Inst., Japan. <i>708 Locust St., Philadelphia.</i>	1869
<b>Mabery, Charles Frederic, Sc.D.</b> Emeritus Professor of Chemistry, Case School of Applied Science. Fell. Am. Acad. Arts and Sci., Mem. Am. Chem. Soc. <i>Case School of Applied Science, Cleveland, O.</i>	1897
<b>McCay, LeRoy Wiley, M.A., D.Sc.</b> Professor of Chemistry, Princeton University. Mem. Am. Inst. Mining Eng., Am. Chem. Soc., Chem. Soc. of Lond. <i>Princeton, N. J.</i>	1897
<b>McClung, Clarence E., A.M., Ph.D.</b> Professor of Zoology, University of Pennsylvania. <i>Swarthmore, Pa.</i>	1913
<b>McClure, Charles Freeman Williams, A.M., D.Sc.</b> Professor of Zoology, Princeton University. Mem. Am. Soc. of Naturalists, Am. Zool. Soc., Assoc. Am. Anat., Anatom. Gesell. <i>Princeton University, Princeton, N. J.</i>	1897
<b>McCrae, Thomas, B.A., M.D.</b> Professor of Medicine, Jefferson Medical College, Philadelphia. Fell. Roy. Coll. Phys. Lond., Coll. Phys. Phila. Mem. Assoc. Am. Phys., Roy. Coll. Surg. End. <i>1627 Spruce St., Philadelphia.</i>	1914
<b>McCreath, Andrew S.</b> Mem. Am. Inst. Min. Eng., Min. and Metal. Soc. Am., Iron and Steel Inst. (Gt. Br.). <i>121 Market St., Harrisburg, Pa.</i>	1879

	Date of Election
<b>McDaniel, Walton Brooks, A.M., Ph.D.</b> Professor of Latin, University of Pennsylvania. Mem. Am. Philol. Assoc., Classical Assoc. of Atlantic States, Arch. Inst. of Am. 264 S. 44th St., Philadelphia.	1917
<b>MacDougal, Daniel Trembly, M.A., Ph.D., LL.D.</b> Director of Department of Botanical Research, Carnegie Institution of Washington. Mem. Botan. Soc. of Am., Soc. for Exp. Biol. and Med., Soc. of Am. Naturalists (Pres't, 1910), Hollandsche Maatschap. Van Wetenschap. (Haarlem). <i>Desert Laboratory, Tucson, Arizona.</i>	1916
<b>Macfarlane, John Muirhead, B.S., D.Sc. (Edin.).</b> Professor of Botany and Director of the Botanic Garden, University of Pennsylvania. Fell. Roy. Soc., Edinburgh, Corr. Mem. Botan. Soc., Edin., Mem. Soc. for Plant Morph. (Pres't, 1898-99). <i>Botanical Hall, University of Pennsylvania, Philadelphia.</i>	1892
<b>MacLaurin, Richard Cockburn, M.A., Sc.D., LL.D.</b> President of Massachusetts Institute of Technology. Fell. Am. Acad. Arts and Sci., Mem. Am. Phys. Soc., Am. Math. Soc., Lond. Math. Soc., New Zealand Philos. Soc. <i>Massachusetts Institute of Technology, Cambridge, Mass.</i>	1910
<b>Magie, William Francis, A.M., Ph.D., LL.D.</b> Professor of Physics, Princeton University. Mem. Am. Phys. Soc. (Past-Pres't). <i>Princeton, N. J.</i>	1896
<b>Mall, Franklin P., M.A., M.D., Sc.D., LL.D.</b> Professor of Anatomy, Johns Hopkins University, Director of Dept. of Embryology, Carnegie Institution. Fell. Am. Acad. Arts and Sci., Coll. of Phys., Phila. Mem. Nat. Acad. Sci., Assoc. Am. Anat. (Pres't, 1905-07), Soc. for Exper. Biology and Med., Am. Soc. Physiol., Am. Soc. of Zool., Inst. Nat. de Embryologie. <i>1514 Bolton St., Baltimore, Md.</i>	1906
<b>Manly, John Matthews, A.M., Ph.D., LL.D., Litt.D.</b> Professor of English, University of Chicago. Mem. Modern Lang. Assoc. of Am., Am. Philol. Soc. <i>1312 E. 53d St., Chicago, Ill.</i>	1912
<b>Mansfield, Ira F.</b> 108 College Ave., Beaver, Pa.	1878
<b>Mark, Edward Laurens, A.M., Ph.D., LL.D.</b> Professor of Anatomy and Director of Zoological Laboratory, Harvard University. Dir. of Bermuda Biol. Sta. for Research, Fell. Soc. Biolog. Chem. (Lond.), Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Anatom. Gesell., Boston Soc. Nat. Hist. K. Böhm. Gesell. d. Wissen. (Prag.), Soc. Roy. Zool. et Malacol. Belge. <i>109 Irving St., Cambridge, Mass.</i>	1907
<b>Marshall, John, M.D., Nat. Sc.D., LL.D.</b> Professor of Chemistry and Toxicology, University of Pennsylvania. Mem. Am. Chem. Soc., Am. Physiolog. Soc., Am. Soc. Biolog. Chem., Fell. Coll. of Phys. of Phila. <i>1718 Pine St., Philadelphia.</i>	1886

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	Date of Election
<b>Marvin, Charles F., M.E.</b> Chief of U. S. Weather Bureau. Mem. 1916 Philos. Soc. of Wash. (Pres't, 1903-04), Wash. Acad. Sci., Seis- mological Soc. of Am., Am. Phys. Soc. <i>U. S. Weather Bureau, Washington, D. C.</i>	
<b>Mason, William Pitt, C.E., Sc.D., M.D., LL.D.</b> Professor of Chemistry, 1896 Rensselaer Polytechnic Institute, Troy, N. Y. Mem. Am. Chem. Soc., Am. Soc. Civ. Eng., Am. Waterworks Assoc. (Past-Pres't), Am. Inst. of Chem. Eng., Roy. Sanitary Inst. (Lond.). Hon. Mem. Assoc. Gen. Hygien. Munic. (Paris). <i>Troy, N. Y.</i>	
<b>Matthew, William Diller, A.M., Ph.D.</b> Curator of American Museum 1914 of Natural History. Fell. N. Y. Acad. Sci. Mem. Geolog. Soc. of Am., Palaeontological Soc. <i>American Museum of Natural His- tory, 77th St. and Central Park, W., New York City.</i>	
<b>Matthews, Albert, A.B.</b> Fell. Am. Acad. Arts and Sci. Mem. Am. 1899 Antiq. Soc., Am. Geog. Soc., Am. Dialect Soc., Am. Hist. Assoc., Am. Folk-lore Soc., Colonial Soc. of Mass., Mass. Histor. Soc. Corr. Mem. Maine, Virginia and Wisconsin Histor. Societies. <i>Hotel Oxford, Boston, Mass.</i>	
<b>Mayer, Alfred Goldsborough, M.E., Sc.D.</b> Director of Department of 1914 Marine Biology, Carnegie Institution of Washington, Lect. in Biology, Princeton Univ. Mem. Nat. Acad. Sci., Zoolog. Soc. of Am., Wash. Acad. Sci., Bost. Soc. Nat. Hist. <i>276 Nassau St., Princeton, N. J.</i>	
<b>Meigs, William M., A.M., M.D.</b> <i>460 Drexel Bldg., Philadelphia.</i> 1901	
<b>Meltzer, Samuel James, M.D., LL.D.</b> Head of Department of Physiology 1914 and Pharmacology, Rockefeller Institute for Medical Research. Mem. German Imp. Acad. Sci., Nat. Acad. Sci., Am. Physiol. Soc. (Pres't, 1911-13), Am. Soc. for Pharmacology, Am. Soc. for Exp. Path., Assoc. of Am. Phys. (Pres't, 1915), Soc. for Exp. Biol. and Med. (Pres't, 1904-05), Am. Soc. for Adv. of Clinical Research (Pres't, 1909), Assoc. of Am. Pathol., Am. Soc. of Naturalists. Fell. N. Y. Acad. Sci., N. Y. Acad. Med. <i>13 W. 121st St., New York City.</i>	
<b>Mendel, Lafayette B., M.A., Ph.D., Sc.D.</b> Professor of Physiological 1916 Chemistry, Sheffield Scientific School, Yale University. Mem. Am. Chem. Soc., Am. Physiol. Soc., Am. Soc. of Biol. Chem. (Pres't, 1911), Am. Soc. of Naturalists, Conn. Acad. Arts and Sci., Nat. Acad. Sci., Soc. Exper. Biol. and Med. <i>18 Trumbull St., New Haven, Conn.</i>	
<b>Mendenhall, Thomas Corwin, Ph.D., D.Sc., LL.D.</b> Super't U. S. Coast 1899 and Geod. Surv., 1899-1904. Fell. Am. Acad. Arts and Sci., Mem. Nat. Acad. Sci., A. A. A. S. (Pres't, 1889). <b>Medals</b> —Am. Geog. Soc. (1901); Nat. Education Soc. of Japan (1911). <i>Ravenna, O.</i>	

	Date of Election
<b>Mercer, Henry Chapman, A.B., Sc.D.</b> Mem. Ecole d'Anthrop., Paris. 1895 <i>Doylestown, Bucks Co., Pa.</i>	
<b>Merriam, C. Hart, M.D.</b> Research Associate, Smithsonian Institution, 1902 <i>Washington. 1919 16th St., Washington, D. C.</i>	
<b>Merriam, John C., B.S., Ph.D.</b> Professor of Palaeontology and Historical Geology, University of California. Fell. Geol. Soc. of Am.. Am. Palaeont. Soc., Mem. Palaeont. Gesell., Wash. Acad. Sci. 1914 <i>2401 Bowditch St., Berkeley, Cal.</i>	
<b>Merriman, Mansfield, Ph.D., Sc.D., LL.D.</b> Late Professor of Civil Engineering, Lehigh University. Mem. Am. Soc. Civil Eng. Am. Soc. Testing Materials (Pres't, 1915-16), Am. Math. Soc. 1881 <i>1071 Madison Ave., New York City.</i>	
<b>Michelson, Albert Abraham, Ph.D., Sc.D., LL.D.</b> Professor and Head of Department of Physics, University of Chicago. Fell. Roy. Soc., Roy. Astron. Soc., Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Am. Phys. Soc. (Pres't, 1900), Soc. Française de Physique. For. Mem. R. Acad. dei Lincei, K. Svenska Vetenskaps. Akad., Soc. Holland, des Sci. Corr. Mem. Acad. des Sci. de Paris. Hon. Mem. Roy. Institution, Cam. Philos. Soc. <b>Medals</b> —Nobel Laureate, Physics, 1907; Rumford (1889); Grand Prix (Paris, 1900); Matteucci (Soc. Ital., Rome, 1904); Copley (Roy. Soc., Lond., 1907). <i>University of Chicago, Chicago, Ill.</i>	1902
<b>Miller, John Anthony, A.M., Ph.D.</b> Professor of Mathematics and Astronomy, Swarthmore College. Mem. Am. Math. Soc., Am. Astron. Soc., Ind. Acad. Sci. <i>Swarthmore College, Swarthmore, Pa.</i>	1915
<b>Miller, Leslie W.</b> Principal of Pennsylvania Museum and School of Industrial Art, Philadelphia. 1899 <i>320 S. Broad St., Philadelphia.</i>	
<b>Millikan, Robert Andrews, A.B., Ph.D., Sc.D.</b> Professor of Physics, University of Chicago. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Am. Phys. Soc. (Pres't). <b>Medal</b> —Comstock (National Acad., 1913). <i>University of Chicago, Chicago, Ill.</i>	1914
<b>Moore, Clarence B., A.B.</b> Mem. Anthropol. Inst. of Am., Arch. Inst. of Am., Am. Anthropol. Assoc. Corr. Mem. Roy. Acad. of Letters, Hist. and Antiqu. (Stockholm); Soc. des Americanistes, Paris. Soc. Scientif. Argentina, Berlin, Gesell. für Anthropol., Eth., and Urgesch. Hon. Mem. Anthropol. Soc., Wash., Wis. Nat. Hist. Soc., Soc. of Anthropol. and Geog. (Stockholm). 1897 <i>1321 Locust St., Philadelphia.</i>	
<b>Moore, Eliakim Hastings, A.B., Ph.D., LL.D., Sc.D., Math.D.</b> Professor of Mathematics, University of Chicago. Fell. Am. Acad. Arts and Sci., Mem. Am. Math. Soc. (Pres't, 1901-03). Nat. Acad. Sci. <i>University of Chicago, Chicago, Ill.</i>	1905

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	Date of Election
Moore, George Thomas, A.M., Ph.D. Director of the Missouri Botanical Garden. Mem. Wash. Acad. Sci., St. Louis Acad. Sci., Botan. Soc. of Am., Soc. of Am. Bacteriologists. <i>Missouri Botanical Garden, St. Louis, Mo.</i>	1905
Moore, John Bassett, LL.D. Professor of International Law and Diplomacy, Columbia University. Mem. of the Permanent Court at the Hague, Inst. de droit Internat., Inst. Colon. Nac., Hispanic Soc. of Am. <i>267 W. 73d St., New York City.</i>	1907
Morgan, Thomas Hunt, B.S., Ph.D., LL.D. Professor of Experimental Zoology, Columbia University. Mem. Nat. Acad. Sci., Soc. Am. Naturalists, Am. Soc. Zool., N. Y. Acad. Sci., Soc. for Exp. Biol. and Med. <i>409 W. 117th St., New York City.</i>	1915
Morley, Edward W., A.M., LL.D. Professor Emeritus of Chemistry, Western Reserve University, Cleveland. Hon. Mem. Nat. Acad. Sci., A. A. A. S. (Past-Pres't), Am. Chem. Soc. (Past-Pres't), Roy. Inst. Gt. Br. For. Mem. Chem. Soc., Lond. Fell. Am. Acad. Arts and Sci. Medals—Davy (Royal Soc., 1907) : Elliot Cresson (Franklin Institute, Philada., 1912). <i>West Hartford, Conn.</i>	1903
Morley, Frank, A.M., Sc.D. Professor of Mathematics, Johns Hopkins University. Mem. Am. Math. Soc., Math. Soc., Lond., Circolo Matemati. di Palermo. <i>Johns Hopkins University, Baltimore, Md.</i>	1897
Morris, Harrison Smith. Mem. Nat. Inst. Arts and Letters. <i>Oak Lane Post Office, Philadelphia.</i>	1899
Morris, James Cheston, A.M., M.D. Fell. Coll. of Phys., Phila. <i>1514 Spruce St., Philadelphia.</i>	1883
Morse, Edward S., A.M., Ph.D. Director of Peabody Museum, Salem, Mass. Fell. A. A. A. S. (Pres't, 1885), Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Am. Soc. Naturalists, Am. Soc. Morph., Am. Antiq. Soc., Am. Anthropol. Assoc., Am. Oriental Soc., Boston Soc. Nat. Hist. (Past-Pres't). Corr. Mem. N. Y. Acad. Sci., Soc. of Anthropol. and Geog. (Stockholm), Anthropol. Soc. of Berlin, Japan Soc. of Lond. Hon Mem. Tokyo Zoolog. Soc. <i>Salem, Mass.</i>	1895
Morse, Harmon Northrop, A.B., Ph.D., LL.D. Professor of Chemistry, Johns Hopkins University. Mem. Nat. Acad. Sci. Fell. Am. Acad. Arts and Sci. For. Mem. Prov. Utrecht Genootsch. van Kunst. en Wetensch. Medal—Avogadro. <i>Homewood Apartments, Baltimore, Md.</i>	1903
Moulton, Forest Ray, A.B., Ph.D. Professor of Astronomy, University of Chicago, Research Assoc. Carnegie Institution of Washington. Mem. Nat. Acad. Sci., Am. Math. Soc. Fell. Roy. Astron. Soc. <i>University of Chicago, Chicago, Ill.</i>	1916

	Date of Election
<b>Munro, Dana Carlton, A.M., L.H.D.</b> Professor of Medieval History, Princeton University. Mem. Am. Hist. Soc., Wis. Acad. Arts and Sci. 119 Fitz Randolph Road, Princeton, N. J.	1901
<b>Munroe, Charles Edward, S.B., Ph.D., LL.D.</b> Professor of Chemistry, George Washington University. Mem. Am. Chem. Soc. (Past-Pres't), U. S. Naval Inst., Deut. Chem. Gesell., Soc. of Chem. Ind., Am. Inst. Mining Eng. George Washington University, 1325 H St., N. W., Washington, D. C.	1891
<b>Murdock, Joseph B.</b> Rear-Admiral U. S. Navy. Danbury, N. H.	1886
<b>Newbold, William Romaine, A.B., Ph.D.</b> Professor of Intellectual and Moral Philosophy. University of Pennsylvania. Mem. Am. Psychol. Assoc. Corr. Mem. Soc. for Psych. Research. College Hall, University of Pennsylvania, Philadelphia.	1909
<b>Nichols, Edward Leamington, B.S., Ph.D., LL.D., D.Sc.</b> Professor of Physics, Cornell University. Mem. Nat. Acad. Sci., Am. Physical Soc. (Past-Pres't), A. A. A. S. (Past-Pres't), Am. Inst. Elec. Eng., Ill. Eng. Soc. Fell. Am. Acad. Arts and Sci. 5 South Ave., Ithaca, N. Y.	1904
<b>Nichols, Ernest Fox, M.A., Sc.D., LL.D.</b> Professor of Physics, Yale University. Mem. Nat. Acad. Sci., Am. Astron. Soc. Fell. Am. Acad. Arts and Sci. Medal—Rumford (1905). Sloane Laboratory, New Haven, Conn.	1906
<b>Nipher, Francis E., B.S., A.M., LL.D.</b> Professor Emeritus of Physics. Washington University, St. Louis. Mem. Am. Phys. Soc., Acad. of Sci., St. Louis (Past-Pres't), Soc. Franç. de Physique. Kirkwood, St. Louis Co., Missouri.	1907
<b>Norris, Isaac, M.D.</b> Fell. Coll. of Phys., Phila. Fair Hill, Bryn Mawr, Pa.	1872
<b>Noyes, Arthur A., Ph.D., Sc.D., LL.D.</b> Director of the Research Laboratory of Physical Chemistry and Professor of Theoretical Chemistry. Massachusetts Institute of Technology. Mem. Nat. Acad. Sci. Fell. Am. Acad. Arts and Sci. Medal—Willard Gibbs (Am. Chemical Soc., 1915). Massachusetts Institute of Technology, Cambridge, Mass.	1911
<b>Noyes, William Albert, A.B., B.S., Ph.D., LL.D.</b> Director of Chemical Laboratory, University of Illinois. Mem. Nat. Acad. Sci., Am. Chem. Soc., Deut. Chem. Gesell. Medal—Nichols (1908). 1005 Nevada St., Urbana, Ill.	1914
<b>Nuttall, Zelia.</b> Hon. Professor of Archaeology, National Museum, Mexico. Care of Bank of California, San Francisco, Cal.	1895
<b>Ortmann, Arnold E., Ph.D., Sc.D.</b> Professor of Physical Geography, University of Pittsburgh. Curator Invert. Zool., Carnegie Mus..	1897

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Date of Election	
Pittsburgh. Mem. Ecological Soc. of Am., Deut. Zoolog. Gesell., K. Leopold.-Carolin. Deut. Acad. der Naturforsch. <i>Carnegie Museum, Pittsburgh, Pa.</i>	
<b>Osborn, Henry Fairfield, Sc.D., Ph.D., LL.D.</b> Research Professor of Zoology, Columbia University, President Am. Museum Nat. Hist. Mem. Nat. Acad. Sci., Am. Soc. of Naturalists (Past-Pres't), Am. Morpholog. Soc. (Past-Pres't), N. Y. Acad. Sci., Wash. Acad. Sci. Fell. Am. Acad. Arts and Sci. Hon. Mem. Geological, Zoological and Linnean Societies (Lond.), Literary and Philos. Soc. of of Manchester, Imp. Soc. of Nat. (Moscow), Roy. Bavar. Acad. Sci., Senckenberg. Naturforsch. Gesell. Hon. Fell. Roy. Soc. Edinb., Roy. Acad. Sci. (Sweden). <b>Medal</b> —Hayden (Acad. Nat. Sci., Phila.). <i>American Museum of Natural History, New York City.</i>	1887
<b>Osgood, William Fogg, A.M., Ph.D., LL.D.</b> Professor of Mathematics, Harvard University. Mem. Am. Math. Soc. (Pres't. 1904-06), Nat. Acad. Sci., Deut. Math.-Verein., Math. Soc., Kharkoff, Calcutta Math. Soc., Circolo Mat. di Palermo. <i>74 Avon Hill St., Cambridge, Mass.</i>	1915
<b>Osterhout, Winthrop John Vanleuden, A.M., Ph.D.</b> Professor of Botany, Harvard University. Fell. Am. Acad. Arts and Sci. Mem. Bot. Soc. of Am., Am. Physiol. Soc., Am. Chem. Soc., Soc. of Exp. Biol. and Med., Boston Soc. Nat. Hist. <i>60 Buckingham St., Cambridge, Mass.</i>	1917
<b>Pancoast, Henry Spackman, M.A., L.H.D.</b> Mem. Modern Lang. Assoc. of Am., Am. Philol. Assoc., Am. Dialect Soc., English Assoc. (England). <i>Spring Lane, Chestnut Hill, Philadelphia.</i>	1898
<b>Parker, George Howard, S.D.</b> Professor of Zoology, Harvard University. Mem. Nat. Acad. Sci., Am. Zool. Soc. (Past-Pres't), Fell. Am. Acad. Arts and Sci. <i>16 Berkeley St., Cambridge, Mass.</i>	1911
<b>Paton, Stewart, M.A., M.D.</b> Lecturer in Neuro-Biology, Princeton University. Mem. Am. Soc. Naturalists, Assoc. Am. Anat., N. Y. Acad. Med. <i>Princeton, N. J.</i>	1914
<b>Patterson, Christopher Stuart, A.M.</b> <i>1000 Walnut St., Philadelphia.</i>	1885
<b>Patterson, Lamar Gray.</b> Mem. Am. Chem. Soc. <i>P. O. Box 147, Montgomery, Ala.</i>	1898
<b>Patton, Francis L., A.M., D.D., LL.D.</b> Formerly President of Princeton University. <i>Warwick, Bermuda.</i>	1897
<b>Paul, John Rodman, A.M.</b> <i>505 Chestnut St., Philadelphia.</i>	1899
<b>Pearce, Richard Mills, Jr., M.D., Sc.D.</b> Professor of Research Medicine, University of Pennsylvania. Mem. Am. Assoc. Patholog. and Bact. (Pres't. 1912), Am. Soc. Exper. Path. (Pres't. 1914),	1914

Date of  
Election

Assoc. Am. Phys., Am. Physiol. Soc.	2114 DeLancey Place, Philadelphia.	
<b>Pearl, Raymond, A.B., Ph.D.</b>	Biologist and Head of Department of Biology, Maine Agricultural Experiment Station. Mem. Nat. Acad. Sci., Am. Soc. Zool. (Pres't, 1913), Am. Soc. of Naturalists (Pres't, 1916), Soc. of Exper. Biology and Med., Boston Soc. Nat. Hist. Orono, Maine.	1915
<b>Peckham, Stephen F., A.M.</b>	Mem. Am. Chem. Soc., Soc. of Chem. Indust., Soc. of Chem. Engin. 1154 Sterling Place, Brooklyn, N. Y.	1897
<b>Pender, Harold, A.B., Ph.D.</b>	Professor in Charge of Electrical Engineering Department, University of Pennsylvania. Fell. Am. Acad. Arts and Sci., Am. Inst. Elect. Eng., Mem. Am. Phys. Soc. Electrical Engineering Department, University of Pennsylvania, Philadelphia.	1917
<b>Penniman, Josiah Harmar, A.B., Ph.D., LL.D.</b>	Professor of English Literature and Vice Provost, University of Pennsylvania. Mem. Modern Lang. Assoc., Am., Am. Dialect Soc., English Assoc. of Gt. Br. University of Pennsylvania, Philadelphia.	1901
<b>Penrose, Charles B., A.M., Ph.D., M.D., LL.D.</b>	Professor of Gynecology, University of Pennsylvania, 1893-99. President of Zoological Society of Philadelphia. 1720 Spruce St., Philadelphia.	1909
<b>Penrose, Richard Alexander Fullerton, Jr., A.M., Ph.D.</b>	Professor of Economic Geology, University of Chicago, 1892-1911. Fell. Roy. Geog. Soc., Geolog. Soc. of Am. Mem. Geolog. Soc. Wash., Wash. Acad. Sci., Mining and Metal. Soc. Am. 460 Bullitt Bldg., Philadelphia.	1905
<b>Pepper, George Wharton, B.A., LL.D., D.C.L.</b>	Formerly Professor of Law, University of Pennsylvania. 1438 Land Title Bldg., Philadelphia.	1897
<b>Pettit, Henry, M.S.</b>	2420 Spruce St., Philadelphia.	1895
<b>Phillips, Francis C., Ph.D.</b>	Emeritus Professor of Chemistry, University of Pittsburgh. Mem. Am. Chem. Soc., Am. Inst. of Mining Eng. University of Pittsburgh, Pittsburgh, Pa.	1899
<b>Pickering, Edward C., A.M., S.B., Ph.D., L.H.D., LL.D.</b>	Director of Harvard College Observatory. Fell. Am. Acad. Arts and Sci., Royal Soc., Astron. and Astrophys. Soc. of Am. (Pres't). Mem. Nat. Acad. Sci., A. A. A. S. (Past-Pres't). Am. Astron. Soc. (Pres't), Roy. Astron. Soc., Soc. Astron. de France, Soc. degli Spettros. Ital., Royal Inst. Accad. dei Lincei, Royal Prussian and Royal Irish Societies. Inst de France, Imp. Acad., St. Petersburg. Hon. Mem. Societies at Mexico, Cherbourg, Liverpool, Christiania, Upsala, and Lund. Medals—Henry Draper, Rumford (1891); Bruce (1908); Roy. Astron. Soc. (1886, 1901) Knight of German	1896

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Date of  
Election

Order, pour le Mérite. *Harvard College Observatory, Cambridge, Mass.*

**Piersol, George Arthur, C.E., M.D., Sc.D.** Professor of Anatomy, University of Pennsylvania. Mem. Am. Assoc. of Anat., Am. Soc. Zool. Fell. Coll. of Phys., Phila. *4724 Chester Ave., Philadelphia.* 1897

**Pilsbry, Henry A., Sc.D.** Curator, Academy of Natural Sciences, Phila., Hon. Mem. Soc. Roy. Zoolog. et Malacol. de Belge, Conchol. Soc. of Gt. Br. For. Corr. Reale Acad. de Ciencias Exactas, Fis. y Nat. (Madrid). *Academy of Natural Sciences, Logan Square, Philadelphia.* 1895

**Price, Eli Kirk, A.B., LL.D.** Mem. Am. Acad. Polit. and Soc. Sci. *709 Walnut St., Philadelphia.* 1916

**Prince, John Dyneley, B.A., Ph.D.** Professor of Slavonic Languages, Columbia University. Fell. N. Y. Acad. Sci. Mem. Am. Orient. Soc., Soc. Bibl. Lit. and Exegesis, Maatschap. der Nederl. Letter., Vorderasiat. Gesell. *Sterlington, Rockland Co., N. Y.* 1913

**Pritchett, Henry S., A.B., Ph.D., Sc.D., LL.D.** President of Carnegie Foundation for Advancement of Teaching. Formerly Superintendent of U. S. Coast and Geodetic Survey, and Pres't of Mass. Institute of Tech. Fell. Am. Acad. Arts and Sci. *22 E. 91st St., New York City.* 1899

**Pumpelly, Raphael.** Mem. Nat. Acad. Sci., Geol. Soc. Am. (Pres't, 1874-1905). *Newport, R. I.* 1874

**Pupin, Michael I., Ph.D., Sc.D.** Professor of Electro-mechanics, Columbia University. Fell. N. Y. Acad. Sci., Mem. Nat. Acad. Sci., Am. Phys. Soc., Am. Math. Soc., Am. Inst. Elec. Eng. *The Dakota, 1 W. 72d St., New York City.* 1896

**Ravenel, Mazýck P., M.D.** Professor of Bacteriology, University of Missouri. Fell. Coll. Phys., Phila. Mem. Am. Assoc. Path. and Bact. *University of Missouri, Columbia, Missouri.* 1901

**Rawle, Francis, A.M., LL.D.** Mem. American Bar Association (Pres't, 1898-1902-03). *West End Trust Bldg., Philadelphia.*

**Raymond, Rossiter Worthington, Ph.D., LL.D.** Mem. Am. Inst. Mining Eng. (Pres't, 1872-74). Hon. Mem. Soc. Civil Eng. of France, Iron and Steel Inst., Australian Inst. of Mining Eng. **Medal**—Inst. Mining and Metal. (1910). *29 W. 39th St., New York City.* 1875

**Rea, Samuel, Sc.D., LL.D.** President of the Pennsylvania R. R. Co., Mem. Am. Acad. Polit. and Soc. Sci., Am. Geolog. Soc., Am. Soc. Civil Eng., Arch. Inst. Am., Inst. of Civil Eng. (Lond.). *Broad Street Station, Philadelphia.* 1913

	Date of Election
<b>Reid, Harry Fielding, C.E., A.B., Ph.D.</b> Professor of Dynamic Geology and Geography, Johns Hopkins University, Special Expert in Charge of Earthquake Records, U. S. Geol. Surv. Mem. Nat. Acad. Sci., Seismol. Soc. of Am. (Pres't, 1913), Am. Phys. Soc., Assoc. Am. Geog., Washington Acad. Sci. Fell. Geol. Soc. of Am. Hon. Mem. Soc. Helvétique des Sci. Nat. <i>Johns Hopkins University, Baltimore, Md.</i>	1910
<b>Remington, Joseph Price, Ph.G., Ph.M., Phar.D.</b> Dean of Philadelphia College of Pharmacy; Pres't Am. Pharm. Assoc., Pres't 7th Int. Cong. of Pharmacy, Chairman Comm. of Revision of U. S. Pharmacopeia, 9th Revis., Fell. Chem. Soc., Lond., Linnean Soc., Lond., Roy. Microscop. Soc. Mem. Federation Internat. Pharmaceut. 1832 <i>Pine St., Philadelphia.</i>	1899
<b>Remsen, Ira, A.B., M.D., Ph.D. (Gött.), LL.D., D.C.L.</b> Professor Emeritus of Chemistry and President Emeritus, Johns Hopkins University. Mem. Nat. Acad. Sci. (Pres't, 1907-13), A. A. A. S. (Pres't, 1903), Am. Chem. Soc. (Pres't, 1902). Soc. of Chem. Industry (Pres't, 1909-10). For. Mem. Chem. Soc. Lond. Hon. Mem. Chem. Soc. of France. <b>Medals</b> —Soc. of Chem. Indust. (1904), Willard Gibbs (Am. Chem. Soc., 1913). <i>Johns Hopkins University, Baltimore, Md.</i>	1879
<b>Rhodes, James Ford, LL.D., D.Litt. (Oxford).</b> Mem. Mass. Hist. Soc., Am. Hist. Assoc. (Pres't, 1899), Nat. Inst. Arts and Letters, Am. Acad. Arts and Letters. Fell. Am. Acad. Arts and Sci. Corr. Fell. Brit. Acad. <b>Medals</b> —Loubat Prize (Berl. Acad. Sci., 1901); Nat. Inst. Arts and Letters (1910). 392 <i>Beacon St., Boston, Mass.</i>	1910
<b>Richards, Horace Clark, A.B., Ph.D.</b> Professor of Mathematical Physics, University of Pennsylvania. Mem. Am. Phys. Soc., Soc. Franç. de Physique. 4812 <i>Fairmount Ave., Philadelphia.</i>	1907
<b>Richards, Theodore William, S.B., A.M., Ph.D., Sc.D., Chem.D., M.D., LL.D.</b> Professor of Chemistry and Director of the Wolcott Gibbs Memorial Laboratory, Harvard University. Mem. Nat. Acad. Sci., Am. Chem. Soc. (Pres't, 1914). Fell. Am. Acad. Arts and Sci. Hon. Mem. Royal Inst. For. Mem. Royal Swedish Acad. Corr. Mem. Roy. Pruss. Acad. Sci. <b>Medals</b> —Nobel Laureate, Chemistry, 1914; Davy (Roy Soc., 1910); Faraday (Chem. Soc., 1911); Willard Gibbs (Am. Chem. Soc., 1912); Franklin (Franklin Inst., 1916). <i>Wolcott Gibbs Memorial Laboratory, Cambridge, Mass.</i>	1902
<b>Ricketts, Palmer C., C.E., E.D., LL.D.</b> President and Director of the Rensselaer Polytechnic Institute, Troy, N. Y. Mem. Am. Soc. Civ. Eng., Am. Soc. Mech. Eng., Am. Inst. Min. Eng., Inst. of Civ. Eng., (Gt. Br.). <i>Troy, N. Y.</i>	1914

## 34 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

	Date of Election
<b>Rogers, Robert William, A.B., Ph.D., Litt.D., LL.D., S.T.D.</b> Professor of Hebrew and Old Testament Exegesis, Drew Theological Seminary. Fell. Roy. Geog. Soc. Mem. Deut. Morgenland. Gesell. Deut. Orient. Gesell., Vorderasiat. Gesell. <i>Madison, N. J.</i>	1890
<b>Rolfe, John Carew, A.M., Ph.D.</b> Professor of Latin Language and Literature, University of Pennsylvania. Mem. Am. Philol. Assoc. (Pres't, 1912). <i>4014 Pine St., Philadelphia.</i>	1907
<b>Roosevelt, Theodore, A.B., LL.D., Ph.D. (Berlin), D.C.L. (Oxford).</b> 26th President of the United States. Medal—Nobel Laureate, Peace (1906). <i>Oyster Bay, N. Y.</i>	1904
<b>Root, Elihu, A.M., LL.D., D.C.L. (Oxford)</b> U. S. Senator from N. Y., 1906 1909-15, Mem. Permanent Court of Arbitration at Hague, President Carnegie Endowment for International Peace, Mem. Am. Bar Assoc. (Pres't, 1915). Fell. Am. Acad. Arts and Sci. Medal—Nobel Laureate, Peace, 1912. <i>1 E. 81st St., New York City.</i>	1906
<b>Rosa, Edward Bennett, Sc.D., Ph.D.</b> Chief Physicist, National Bureau of Standards. Mem. Nat. Acad. Sci., Am. Inst. of Elec. Eng., Am. Phys. Soc., Illum. Eng. Soc., Soc. Franç. de Phys., Wash. Acad. Sci., Wash. Philos. Soc. <i>National Bureau of Standards, Washington, D. C.</i>	1912
<b>Rosengarten, Joseph George, A.B., LL.D.</b> <i>1704 Walnut St., Philadelphia.</i> 1891	
<b>Rothrock, Joseph T., B.S., M.D.</b> Formerly Professor of Botany, University of Pennsylvania, Commissioner of Forestry of Pennsylvania. <i>West Chester, Pa.</i>	1877
<b>Rowe, Leo S., A.B., B.S., Ph.D., LL.D.</b> Professor of Political Science, University of Pennsylvania. Mem. Am. Acad. of Polit. and Soc. Sci. (Pres't), Am. Soc. Int. Law, Nat. Inst. of Soc. Sci. Hon. Mem. Mexican Geog. Soc., Nat. Hist. Soc. of Argentina. <i>University Dormitories, 37th and Spruce Sts., Philadelphia.</i>	1911
<b>Russell, Henry Norris, A.M., Ph.D.</b> Professor of Astronomy and Director of Observatory, Princeton University. Mem. Astron. Soc. of Am., Internat. Union for Solar Research For. Assoc. Roy Astron. Soc. of Lond. <i>79 Alexander St., Princeton, N. J.</i>	1913
<b>Sachse, Julius F., Litt.D.</b> <i>4428 Pine St., Philadelphia.</i>	1894
<b>Sadtler, Samuel P., S.B., Ph.D., LL.D.</b> Professor Emeritus of Chemistry, Phila. College of Pharmacy. Mem. Am. Chem. Soc., Am. Electro-Chem. Soc., Soc. Chem. Industry. Am. Inst. Chem. Eng. (Past-Pres't). <i>210 S. 13th St., Philadelphia.</i>	1874
<b>Sajous, Charles E. de M., M.D., LL.D., Sc.D.</b> Fell. Coll. Phys., Phila.. Mem. Am. Laryngol. Soc. <i>2043 Walnut St., Philadelphia</i>	1888
<b>Sampson, Alden.</b> <i>7 W. 43d St., New York City.</i>	1897
<b>Sanders, Richard H., M.E.</b> Mem. Am. Inst. Mining Eng., Mining and Metallurgical Soc. of Am. <i>1225 Locust St., Philadelphia.</i>	1897

	Date of Election
<b>Sargent, Charles Sprague, A.B., LL.D.</b> Director of the Arnold Arboretum and Professor of Arboriculture, Harvard University. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Mass. Soc. for Prom. Agric. (Pres't). For. Mem. Linn. Soc., Lond., Soc. Nat. de Agric. de France. <i>Jamaica Plain, Mass.</i>	1882
<b>Schelling, Felix E., M.A., Litt.D., Ph.D., LL.D.</b> Professor of English Literature, University of Pennsylvania. Mem. Modern Lang. Assoc. of Am. (Pres't, 1913-14), Am. Inst. Arts and Letters. <i>College Hall, University of Pennsylvania, Philadelphia.</i>	1902
<b>Schlesinger, Frank, B.S., M.A., Ph.D.</b> Director of Allegheny Observatory, University of Pittsburgh. Mem. Nat. Acad. Sci., Am. Astron. Soc. For. Assoc. Roy. Astron. Soc., Astron. Gesell. <i>Allegheny Observatory, Pittsburgh, Pa.</i>	1912
<b>Schuchert, Charles, M.A., LL.D.</b> Professor of Palaeontology, Yale University. Mem. Nat. Acad. Sci., Wash. Acad. Sci., Conn. Acad. Sci., Geolog. Soc. of Wash., Biolog. Soc., Wash., Geolog. Soc. of Am. Fell. Am. Acad. Arts and Sci. <i>Yale University, New Haven, Conn.</i>	1913
<b>Schurman, Jacob Gould, A.M., Sc.D., LL.D.</b> President of Cornell University. <i>Ithaca, N. Y.</i>	1908
<b>deSchweinitz, George E., A.M., M.D., LL.D.</b> Professor of Ophthalmology, University of Pennsylvania. Fell. Coll. Phys., Phila. (Pres't 1910-13). Mem. Am. Ophthalmol. Soc. (Pres't 1916). <b>Medal—Alvarenga Prize</b> (Coll. Phys., Phila., 1896). <i>1705 Walnut St., Philadelphia.</i>	1912
<b>Scott, Charles Felton, A.B.</b> Professor of Electrical Engineering, Sheffield Scientific School, Yale University. Mem. Am. Inst. Elect. Eng., Engin. Soc. Western Penna. (Pres't, 1902) <i>284 Orange St., New Haven, Conn.</i>	1898
<b>Scott, William Berryman, M.A., Ph.D. (Heidel.), D.Sc. (Harvard and Oxford), LL.D.</b> Professor of Geology, Princeton University. Mem. Nat. Acad. Sci., Geol. Soc. of Am., Paleont. Soc. of Am., Geol. Soc., Lond., Zool. Soc., Lond., Linnean Soc., Lond. <b>Medals—E. K. Kane</b> (Geog. Soc. of Phila.); <b>Wollaston</b> (Geol. Soc., Lond., 1909). <i>158 Nassau St., Princeton, N. J.</i>	1886
<b>Seares, Frederick Hanley, B.S.</b> Superintendent, Computing Division, Solar Observatory, Carnegie Institution. Mem. Am. Astr. Soc., Astr. Soc. of Pacific, Wash. Acad. Sci. Soc. Astron. de France, Astron. Gesell. <i>Solar Observatory Office, Pasadena, Cal.</i>	1917
<b>Sedgwick, William Thompson, Ph.D., Sc.D.</b> Professor of Biology and Public Health, Massachusetts Institute of Technology. Mem. Soc. Am. Bact., Am. Soc. of Naturalists. Fell. Am. Acad. Arts and Sci. <i>Massachusetts Institute of Technology, Cambridge, Mass.</i>	1911

	Date of Election
<b>See, T. J. J., A.M., M.Sc., Ph.D. (Berlin).</b> Professor of Mathematics, 1897 U. S. N., in charge of Naval Observatory, Mare Island, Cal. Fell. Roy. Astr. Soc. Mem. Astr. Gesell., Lond. Math. Soc., Am. Math. Soc., Deut. Math. Verein., Soc. Math. de France, Circolo Math. di Palermo, Calcutta Math. Soc., Wash. Acad. Sci., Philos. Soc., Wash., Am. Phys. Soc., Soc. Franç. de Phys., Soc. Astr. de France, Astron. Soc. of Pacific, Calif. Acad. Sci., Seismolog. Soc. of Am. <i>Mare Island, Cal.</i>	
<b>Sellers, Coleman, Jr., M.S.</b> President and Engineer of William Sellers & Co., Inc. Mem. Am. Soc. Mechan. Eng. 3301 Baring St., Philadelphia.	1899
<b>Sharples, Stephen Paschall, M.S.</b> Fell. Am. Acad. Arts and Sci. Mem. Am. Inst. Mining Eng., Am. Inst. Chem. Eng., Am. Chem. Soc., Soc. of Industrial Chem. 26 Broad St., Boston, Mass.	1882
<b>Sherwood, Andrew.</b> Corr. Mem. N. Y. Acad. Sci. <i>The Rosemont</i> , 1875 E. 69th St., N., Portland, Ore.	
<b>Sigsbee, Charles Dwight.</b> Rear-Admiral U. S. Navy. <i>U. S. Navy Department, Washington, D. C.</i>	1899
<b>Smith, A. Donaldson, A.B., M.D.</b> Medals—Cullum (Am. Geog. Soc.); 1897 Kane (Phila. Geog. Soc.); Patron's (Roy. Geog. Soc. Lond.). <i>Care S. H. Thomas, Esq., 308 Walnut St., Philadelphia.</i>	
<b>Smith, Allen J., A.M., M.D., Sc.D., LL.D.</b> Professor of Pathology. University of Pennsylvania. Fell. Coll. Phys., Phila. Mem. Am. Soc. of Path. and Bact. Corr. Mem. Roy. Soc. of Hygiene (Madrid). <i>Medical School, University of Pennsylvania, Philadelphia.</i>	1907
<b>Smith, Edgar Fahs, Ph.D., Chem.D., Sc.D., L.H.D., LL.D.</b> Provost and Professor of Chemistry, University of Pennsylvania. Mem. Nat. Acad. Sci., Am. Chem. Soc. (Pres't, 1898), Deut. Chem. Gesell. Medal—Elliott Cresson (Franklin Inst., 1914). <i>University of Pennsylvania, Philadelphia.</i>	1887
<b>Smith, Erwin Frink, B.S., Sc.D.</b> Pathologist in charge of Laboratory of Plant Pathology, U. S. Bureau of Plant Industry. Mem. Soc. for Plant Morph. and Physiol. (Past-Pres't), Soc. of Am. Bacteriologists (Pres't, 1906), Botan. Soc. of Am., Am. Phytopath. Soc., Nat. Acad. Sci. <i>Bureau of Plant Industry, Department of Agriculture, Washington, D. C.</i>	1916
<b>Smith, Stephen, A.M., M.D., LL.D.</b> Mem. Am. Pub. Health Assoc. 1875 (Past-Pres't). 260 W. 76th St., New York City.	
<b>Smith, Theobald, Ph.B., M.D., A.M., LL.D., Sc.D.</b> Director of Department of Animal Pathology, Rockefeller Institute for Medical Research. Mem. Nat. Acad. Sci., Assoc. of Am. Phys., Assoc. of Am. Path. and Bact., Soc. for Exper. Biol. and Med., Fell. Am.	1915

	Date of Election
Acad. Arts and Sci., Hon. Fell. Soc. Trop. Med. and Hygiene, Lond. Hon. Mem. Soc. Path. Exotique, Paris. <i>42 Cleveland Lane, Princeton, N. J.</i>	
<b>Smock, John C., M.A., Ph.D., LL.D.</b> Former State Geologist of New Jersey. Mem. Am. Inst. Mining Eng., Geol. Soc. of Am., Roy. Soc. of Arts, Lond. <i>Hudson, N. Y.</i>	1897
<b>Smyth, Charles Henry, Jr., A.B., Ph.D.</b> Professor of Geology, Princeton University. Mem. Geol. Soc. of Am., N. Y. Acad. Sci., Wash. Acad. Sci. <i>Princeton University, Princeton, N. J.</i>	1908
<b>Smyth, Herbert Weir, A.B., Ph.D. (Gött.).</b> Professor of Greek Literature, Harvard University. Fell. Am. Acad. Arts and Sci., Mem. Am. Philol. Assoc. (Pres't, 1904-05). <i>15 Elmwood Ave., Cambridge, Mass.</i>	1908
<b>Snyder, Monroe B., M.A.</b> Director of Philadelphia Observatory and Professor of Astronomy, Central High School, Phila. <i>2402 N. Broad St., Philadelphia.</i>	1884
<b>Spitzka, Edward Anthony, M.D.</b> Late Professor of Anatomy, Jefferson Medical College, Phila. Mem. Assoc. Am. Anatomists. <i>63 E. 91st St., New York City.</i>	1908
<b>Squier, George Owen, Ph.D.</b> Brigadier-General and Chief Signal Officer, U. S. A. Mem. Am. Inst. Elect. Eng., Inst. of Radio-Eng. <i>War Department, Washington, D. C.</i>	1917
<b>Steinmetz, Charles P., A.M., Ph.D.</b> Professor of Electro-Physics, Union College, Schenectady, Chief Consulting Engineer General Electric Co. Mem. Am. Inst. Elect. Eng. (Past-Pres't), Illum. Eng. Soc., Am. Math. Soc., Am. Phys. Soc., Am. Chem. Soc., Soc. of Mech. Eng., German and English Elect. Eng. Societies. <b>Medal</b> —Elliott Cresson (Franklin Institute). <i>Wendell Ave., Schenectady, N. Y.</i>	1917
<b>Stengel, Alfred, M.D., Sc.D.</b> Professor of Medicine, University of Pennsylvania. Mem. Assoc. of Am. Phys., Assoc. of Pathol and Bact. <i>1728 Spruce St., Philadelphia.</i>	1903
<b>Stephens, Henry Morse, M.A. (Oxon.), Litt.D. (Harv.).</b> Professor of History, University of California. Mem. Am. Hist. Assoc (Pres't, 1915), Acad. of Pacific Coast Hist., Mass. Hist. Soc. <i>Faculty Club, University of California, Berkeley, Cal.</i>	1897
<b>Stevens, W. LeConte, A.B., Ph.D.</b> Professor of Physics, Washington and Lee University, Lexington, Va. Mem. N. Y. Acad. Sci., Roy. Microscop. Soc. <i>Lexington, Va.</i>	1884
<b>Stevenson, John James, A.M., Ph.D., LL.D.</b> Professor Emeritus of Geology, New York University. Mem. Geol. Soc. of Am. (Past-Pres't), N. Y. Acad. Sci. (Past-Pres't), Corr. Mem. Academies at Phila., San Francisco, Moscow, Halle, Padua, Palermo, Breslau.	1877

	Date of Election
and of Geol. Societies of Edinburgh, Liverpool, Brussels, St. Petersburg and Budapest. <i>215 W. 101st St., New York City.</i>	
<b>Stevenson, Sara Yorke, Sc.D.</b> Off. d'Instruct. Pub. de la République Française. <i>237 S. 21st St., Philadelphia.</i>	1895
<b>Stillwell, Lewis Buckley, Sc.D.</b> Mem. Am. Inst. Elect. Eng. (Past-Pres't), Brit. Inst. Elect. Eng., Am. Soc. Civil Eng. <i>100 Broadway, New York City.</i>	1898
<b>Stone, Witmer, A.M., Sc.D.</b> Curator, Academy of Natural Sciences, Phila. Fell. Am. Ornith Union. For. Mem. Brit. Ornith. Union. <i>Academy of Natural Sciences, Logan Square, Philadelphia.</i>	1913
<b>Stratton, Samuel W., D.Sc.</b> Director of National Bureau of Standards, Washington. Mem. Am. Inst. Elect. Eng., Am. Soc. Mechan. Eng., Am. Phys. Soc. <b>Medal</b> —Elliott Cresson (Franklin Institute). <i>Bureau of Standards, Washington, D. C.</i>	1904
<b>Straus, Oscar S., A.M., LL.D., Litt.D.</b> Member of the Permanent Court of Arbitration at the Hague. Formerly Ambassador to Turkey. Mem. Am. Soc. Sci. Assoc. (Past-Pres't), Am. Soc. Internat. Law. <i>5 W. 76th St., New York City.</i>	1917
<b>Sulzberger, Mayer, M.A., LL.D., D.H.L.</b> Formerly President Judge of the Court of Common Pleas (No. 2) of Pennsylvania. Mem. Am. Orient. Soc., Am. Bar. Assoc., Am. Jewish Hist. Soc. <i>1303 Girard Ave., Philadelphia.</i>	1895
<b>Taft, William Howard, B.A., LL.D., D.C.L.</b> 27th President of the United States. Kent Professor of Law, Yale University. Mem. Am. Bar Assoc. (Pres't, 1913). <i>Hotel Taft, New Haven, Conn.</i>	1909
<b>Taylor, Alonzo Englebert, M.D.</b> Professor of Physiological Chemistry, University of Pennsylvania. <i>School of Medicine, University of Pennsylvania, Philadelphia.</i>	1917
<b>Tesla, Nikola, M.A., LL.D., D.Sc.</b> <i>8 W. 40th St., New York City.</i>	1896
<b>Thaxter, Roland, A.M., Ph.D.</b> Professor of Cryptogamic Botany, Harvard University. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Bot. Soc. of Am. (Past-Pres't), Bost. Soc. Nat. Hist., Am. Phytopath. Soc., Deut. Botan. Gesell. <b>Medal</b> —Prix Desmazières. <i>7 Scott St., Cambridge, Mass.</i>	1912
<b>Thomson, Elihu, A.M., Ph.D., D.Sc.</b> Consulting Engineer, General Electric Co. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Am. Inst. Elect. Eng. (Past-Pres't). Am. Astron. Soc., Am. Geog. Soc., Inst. of Civil Eng. (Gt. Br.), Inst. of Elect. Eng. (Gt. Br.), Soc. Int. des Electric. (Paris). <b>Medals</b> —Grand Prix (Paris, 1889, 1900); Rumford (1901); John Scott Legacy (Franklin Inst., 1888, 1901); Edison (1909); Elliott Cresson (Franklin Inst., 1912); Grand Prize Louisiana Purchase Expos. (St. Louis, 1904), Omaha Expos. (1898); John Fritz (1916). <i>22 Monument Ave., Swampscott, Mass.</i>	1876

	Date of Election
<b>Titchener, Edward Bradford, D.Sc. (Oxon), Ph.D. (Leipzig), LL.D., 1906</b>	
<b>Litt.D.</b> Professor of Psychology in Graduate School, Cornell University. Fell. Zool. Soc., Roy. Soc. of Med., Aristotelian Soc., Am. Psychol. Assoc. <i>Cornell Heights, Ithaca, N. Y.</i>	
<b>Tittmann, Otto Hilgard, D.Sc., LL.D.</b> Formerly Superintendent U. S. Coast and Geodetic Survey. Mem. Am. Soc. Civil Eng., Wash. Acad. Sci. (Pres't, 1913), Philos. Soc. of Wash. (Pres't, 1899). Astrophys. Soc. of Am. Hon. Mem. Berlin. Gesell. für Erdkunde. <i>Leesburg, Va.</i>	1906
<b>Tower, Hon. Charlemagne, A.B., LL.D. (Glasgow, St. Andrews).</b> Formerly U. S. Ambassador to Germany. Mem. Hist. Soc. of Penna. (Pres't). <b>Medals</b> —Grand Officer, Legion of Honor of France. Grand Cordon, St. Alex. Newski, Russia. Grand Cross of Order of Osmanie, Grand Cross of the Order of Merit, Oldenburg. <i>228 S. Seventh St., Philadelphia.</i>	1895
<b>Trelease, William, Sc.D., LL.D.</b> Professor of Botany, University of Illinois. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Bot. Soc. of Am. (Past-Pres't), Am. Soc. of Naturalists (Pres't, 1903), Acad. Sci., St. Louis (Pres't, 1909 and 1911), Acad. Internat. de Geog. Bot., Bot. Soc. of Am. (Pres't, 1896). <i>University of Illinois, Urbana, Ill.</i>	1903
<b>Trowbridge, Augustus, A.M., Ph.D.</b> Professor of Physics, Princeton University. Fell. Am. Phys. Soc. <i>Princeton University, Princeton, N. J.</i>	1911
<b>Trowbridge, John, S.D.</b> Professor Emeritus and (Hon.). Director of the Jefferson Physical Laboratory, Harvard University. Mem. Nat. Acad. Sci. Fell. Am. Acad. Arts and Sci. (Pres't). <i>Cambridge, Mass.</i>	1896
<b>Tucker, Richard Hawley, C.E.</b> Mem. Astron. Gesell., Astron. Soc. of the Pacific, Mexican Astron. Soc. <i>Lick Observatory, Mt. Hamilton, Cal.</i>	1908
<b>Tyler, Lyon Gardiner, A.M., LL.D.</b> President of William and Mary College. Mem. Am. Antiq. Soc., Am. Hist. Assoc. Corr. Mem. Mass. Hist. Soc. <i>William and Mary College, Williamsburg, Va.</i>	1889
<b>Tyson, James, A.M., M.D., LL.D.</b> Professor Emeritus of Medicine, University of Pennsylvania Fell. Coll. Phys., Phila. (Pres't, 1907-10), Mem. Assoc. Am. Phys. (Pres't, 1907-08). <i>1506 Spruce St., Philadelphia.</i>	1887
<b>Van Hise, Charles Richard, B.M.E., M.S., Ph.D.</b> President of the University of Wisconsin. Mem. Nat. Acad. Sci., Wash. Acad. Sci. Scientific Soc. of Christiania, Roy. Swedish Acad. Sci., Geolog. Soc. Am. (Pres't, 1907). Geolog. Soc., Lond., Wis. Acad. Sci., Arts and Letters (Pres't, 1893-96), Bost. Soc. Nat. Hist., A. A. A. S. (Pres't, 1916). <i>University of Wisconsin, Madison, Wis.</i>	1909

	Date of Election
<b>Vauclain, Samuel M., D.Sc.</b> Mem. Am. Soc. Civil Eng., Am. Soc. Min. Eng., Am. Soc. Mech. Eng., Soc. Civ. Eng., Lond. <i>500 N. Broad St., Philadelphia.</i>	1899
<b>Vaughan, Victor Clarence, M.S., Ph.D., M.D., Sc.D., LL.D.</b> Professor of Hygiene and Physiological Chemistry, University of Michigan, Pres't Mich. State Board of Health. Mem. Nat. Acad. Sci., Soc. Française d'Hygiène, Hungarian Soc. of Hygiene, Assoc. Amer. Phys. <i>221 S. State St., Ann Arbor, Mich.</i>	1909
<b>Vaux, George, Jr., S.B., LL.B.</b> <i>Gulph Road, Bryn Mawr, Pa.</i>	1897
<b>Veblen, Oswald, A.B., Ph.D.</b> Professor of Mathematics, Princeton University. Mem. Am. Math. Soc., Circolo Matemat. di Palermo. Soc. de Mathémat. de France. <i>Princeton, N. J.</i>	1912
<b>Venable, Francis P., A.M., Ph.D., Sc.D., LL.D.</b> Professor of Chemistry, University of North Carolina. Mem. Amer. Chem. Soc. (Pres't, 1905), Lond. Chem. Soc., Deut. Chem. Gesell. <i>Chapel Hill, N. C.</i>	1905
<b>Wagner, Samuel, A.M.</b> President of Wagner Free Institute of Science. <i>209 Franklin Bldg., 133 S. 12th St., Philadelphia.</i>	1885
<b>Walcott, Charles Doolittle, Sc.D. (Cantab. and Harv.), Ph.D. (Roy. Fredericks, Christiania), LL.D.</b> Secretary of the Smithsonian Institution, Director of U. S. Geological Survey, 1894-1907. Mem. Nat. Acad. Sci., Geol. Soc. of Am., Wash. Acad. Sci. (Pres't, 1899-1910), Geolog. Soc., Lond., Accad. dei Lincei, Christiania Scient. Soc., Imp. Soc. of Nat. of Moscow, Astron. Soc. of Mex. Fell. Am. Acad. Arts and Sci. <b>Medals</b> —Hayden (Acad. Nat. Sci., Phila.); Bigsby (Geolog. Soc. Lond.). <i>Smithsonian Institution, Washington, D. C.</i>	1897
<b>Ware, Lewis S.</b> Mem. Assoc. des Chimistes de Sucrerie (France). <i>54 Rue de la Bienfaisance, Paris, France.</i>	1881
<b>Warfield, Ethelbert D., A.M., LL.D., Litt.D.</b> President of Wilson College. Mem. Am. Hist. Soc. <i>Wilson College, Chambersburg, Pa.</i>	1897
<b>Webster, Arthur Gordon, A.B., Ph.D., Sc.D., LL.D.</b> Professor of Physics, Clark University. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Am. Phys. Soc. (Pres't, 1903-05), Am. Math. Soc., Deut. Math. Verein., Circolo Matemat. di Palermo. <i>Clark University, Worcester, Mass.</i>	1906
<b>Welch, William Henry, A.B., M.D., LL.D.</b> Professor of Pathology, Johns Hopkins University, President State Board of Health, Maryland, Board of Scientific Directors, Rockefeller Inst. for Med. Research. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci. (Past-Pres't). A. A. A. S. (Past-Pres't), A. M. A. (Past-Pres't), Cong. of Am. Phys. and Surg. (Past-Pres't), Assoc. of Am. Phys. (Past-Pres't), Royal Soc. of Med., Lond. <b>Medals</b> —Ritter des	1896

Date of  
Electon

Königl. Kronen-Orden 2<sup>ter</sup> cl., Order of the Rising Sun, Japan,  
3<sup>d</sup> cl. 807 St. Paul St., Baltimore, Md.

Wheeler, William Morton, Ph.D., Sc.D.	Professor of Economic Entomology, Bussey Institution for Applied Biology, Harvard University. Hon. Cur. of Social Insects, Am. Mus. Nat. Hist. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., N. Y. Acad. Sci., Havana Acad. Sci. <i>Bussey Institution, Forest Hills, Boston, Mass.</i>	1916
White, Andrew D., A.B., LL.D., L.H.D., Ph.D. (Jena), D.C.L. (Oxon.).	President Cornell University, 1865-85. Hon. Mem. Roy. Acad. Sci. (Berl.). Mem. Am. Soc. Sci. Assoc. (Past-Pres't), Mass. Hist. Soc., Am. Acad. Arts and Letters. <b>Medal</b> —Gold of Prussia for Arts and Sci., Officier Legion d'Honneur. 23 East Ave., Ithaca, N. Y.	1869
White, Israel C., A.M., Ph.D.	State Geologist of West Virginia. Mem. Geolog. Soc. of Am., Am. Geog. Soc., Am. Inst. Mining Eng. 141 Willey St., Morgantown, West Virginia.	1878
Whitfield, J. Edward, Ph.D.	<i>406 Locust St., Philadelphia.</i>	1905
Wilder, Burt G., B.S., M.D.	Professor Emeritus of Neurology and Vertebrate Zoology, Cornell University. Mem. Bost. Soc. Nat. Hist., Am. Neurol. Assoc. (Pres't, 1885), Assoc. Amer. Anat. (Pres't, 1898). 93 Waban Hill Road, Chestnut Hill, Mass.	1878
Wiley, Harvey W., A.M., S.B., M.D., Ph.D., D.Sc., LL.D.	President U. S. Pharmacopoeial Convention. Mem. Am. Chem. Soc. (Past-Pres't). <b>Medals</b> —Elliott Cresson (Franklin Inst.): Chevalier du Mérite Agricole; Chev. de Legion d'Honneur. <i>Cosmos Club, Washington, D. C.</i>	1904
Willcox, Joseph.	<i>The Gladstone, Philadelphia.</i>	1895
Williams, Edward Higginson, Jr., B.A., B.S., E.M., Sc.D., LL.D.	Mem. Am. Inst. Mining Eng., Geolog. Soc. of Am. <i>Westerdale, Woodstock, Vt.</i>	1897
Williams, Talcott, A.B., L.H.D., LL.D.	Director of School of Journalism, Columbia University. Mem. Am. Orient. Soc., Am. Acad. Polit. and Soc. Sci. <i>School of Journalism, Columbia University, New York.</i>	1888
Willis, Bailey, E.M., Ph.D. (Berl.).	Geologist, U. S. Geological Survey. Professor of Geology, Stanford University. <b>Medal</b> —Soc. Géog. de France. <i>Stanford University, California.</i>	1905
Willis, Henry, A.M.	Professor of History, Central High School, Phila. Mem. Am. Hist. Assoc. <i>4036 Baring St., Philadelphia.</i>	1890
Wilson, Edwin Bidwell, A.B., Ph.D.	Professor of Mathematics, Massachusetts Institute of Technology. Mem. Am. Math. Soc., Soc.	1917

## 42 LIST OF THE AMERICAN PHILOSOPHICAL SOCIETY

Date of  
Election

de Mathémat. de France, Deut. Math. Verein., Circolo Matemat. di Palermo, Lond. Math. Soc., Am. Phys. Soc., Soc. Franç. de Phys. *Massachusetts Institute of Technology, Cambridge, Mass.*

**Wilson, Harold Albert, M.A. (Cantab.), D.Sc.** Professor of Physics, 1914 Rice Institute, Fell. Royal Soc. Mem. Cambridge Philos. Soc., Phys. Soc., Lond., Soc. Franç. de Phys., Am. Phys. Soc. *Rice Institute, Houston, Tex.*

**Wilson, James Cornelius, A.M., M.D.** Professor Emeritus of Medicine 1885 in Jefferson Medical College. Mem. Assoc. Am. Phys. (Past-Pres't), Fell. Coll. of Phys., Phila. (Past-Pres't). *1509 Walnut St., Philadelphia.*

**Wilson, William Powell, B.S., Dr.Sc. (Tüb.).** Director of the Philadelphia Museums. Mem. Botan. Soc. of Am., Wash. Acad. Sci. Deut. Botan. Gesell. *Commercial Museum, 34th St. bel. Spruce St., Philadelphia.*

**Wilson, Woodrow, A.M., LL.D., Litt.D.** 28th President of the United States. Formerly President of Princeton University and Governor of New Jersey. *The White House, Washington, D. C.*

**Wister, Owen, A.M., LL.D., Litt.D.** *1004 West End Trust Bldg., Philadelphia.* 1897

**Witmer, Lightner, A.M., Ph.D.** Professor of Psychology and Director 1897 of the Laboratory of Psychology, University of Pennsylvania. Mem. Am. Psycholog. Assoc. *2426 Spruce St., Philadelphia.*

**Wood, Robert Williams, A.B., LL.D.** Professor of Experimental Physics, 1908 Johns Hopkins University. Fell. Am. Acad. Arts and Sci. Mem. Nat. Acad. Sci., Am. Phys. Soc., Am. Astr. and Astrophys. Soc., Solway Inst. of Physics (Brussels). Corr. Mem. Roy. Soc., Göttingen. Hon. Fell. Roy. Microscop. Soc. (Lond.). Medals—Rumford (Lond. Soc. of Arts); John Scott (Franklin Institute, Phila.). *Johns Hopkins University, Baltimore, Md.*

**Woodward, Robert Simpson, C.E., Ph.D., LL.D., Sc.D.** President of the 1902 Carnegie Institution of Washington. Mem. A. A. A. S. (Pres't, 1901). Am. Math. Soc. (Pres't, 1898-1900), Geolog. Soc. of Am., Am. Phys. Soc., N. Y. Acad. Sci. (Pres't, 1902), Wash. Acad. Sci. (Pres't, 1915). Nat. Acad. Sci., Fell. Amer. Acad. Arts and Sci. *Carnegie Institution of Washington, Washington, D. C.*

**Wright, Frederick E., Ph.D. (Heidel.).** Petrologist, Geophysical Laboratory, Carnegie Institution of Washington, Geologist, U. S. Geol. Surv. Fell. Am. Acad. Arts and Sci. Mem. Am. Phys. Soc., Am. Chem. Soc., Am. Math. Soc., Geolog. Soc. of Am., Am. Inst. Mining Eng. Wash. Acad. Sci. *2134 Wyoming Ave., Washington, D. C.* 1914

Date of  
Election

**Wurts, Alexander J., Ph.B., M.E.** Professor and Head of Department 1899  
of Electrical Engineering, Carnegie Institute of Technology, Pitts-  
burgh. Mem. Am. Inst. Elec. Eng. **Medal**—John Scott (Franklin  
Inst., Phila.). *1164 Shady Ave., Pittsburgh, Pa.*

**Wyckoff, Ambrose Barkley.** Lieutenant U. S. N. (retired). *131 E. H* 1886  
*St., Ontario, Cal.*

**Zeleny, John, B.S., Ph.D., B.A. (Cantab.), M.A.** Professor of Physics, 1915  
Sheffield Scientific School, Yale University. Mem. Am. Phys. Soc.  
Assoc. Mem. Cambridge Philos. Soc. *44 Cold Spring St., New  
Haven, Conn.*

## FOREIGN MEMBERS

**Adam, Lucien.** *41 Bard Sevigné, Rennes, France.* 1886

**Adams, Frank Dawson, D.Sc., Ph.D.** Professor of Geology. McGill 1916  
University. *McGill University, Montreal, Canada.*

**Arrhenius, Svante August, Dr.Phil. Juris et Med.** Director of the 1911  
Physico-Chemical Department of the Nobel Institute. **Medal**—  
Nobel Laureate, Chemistry (1903). *Nobel Institute, Experi-  
mentalafillet, near Stockholm, Sweden.*

**von Baeyer, Adolf, Ph.D.** Professor of Chemistry. University of Mu- 1910  
nich. **Medal**—Nobel Laureate, Chemistry (1905). *Aroisstrasse 1,  
Munich, Bavaria.*

**Balfour, Rt. Hon. Arthur James, LL.D., D.Cl.** *4 Carlton Gardens, S. W.* 1917  
*London, Eng.*

**Bonaparte, Prince Roland.** *10 Ave d'Jena 22, Paris, France.* 1895

**Broegger, Waldemar Christofer.** Professor of Mineralogy and Geology. 1899  
Kong. Frederiks Universitet. *Christiania, Norway.*

**Bryce, Rt. Hon. James, Viscount, O.M., D.C.L.** *Hindleap, Forest Row,  
Sussex, England.* 1895

**Budge, E. A. Wallis, M.A., Litt.D.** *British Museum, London, England.* 1895

**Canizzaro, Tomaso.** *Villa San Giuseppe 40, Catania, Sicily.* 1885

**Capellini, Giovanni.** Professor of Geology and Palaeontology, Bologna 1873  
University. *Rue Medal Hayden, 1896, Bologna, Italy.*

**deCharencey, Comte Hyacinth.** *25 rue Barbet de Jouy, Paris, France.* 1886

**Cora, Guido.** Professor of Geography. R. Università, Rome. *181 Via  
Nazionale, Rome, Italy.* 1886

**Crookes, Sir William, Kt., O.M., LL.D., D.Sc.** *17 Kensington Park Gar-  
dens, London, W., England.* 1886

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	Date of Electon
<b>Curie, Marie Skłodowska, D.Sc., LL.D.</b> Professor of Physics, University of Paris. Medal—Nobel Laureate, Physics (1903); Chemistry, (1911). <i>12 Rue Cuvier, Paris, France.</i>	1910
<b>Darwin, Sir Francis, Kt., M.A., Sc.D., LL.D., Ph.D.</b> <i>10 Madingley Road, Cambridge, England.</i>	1909
<b>Dawkins, W. Boyd, M.A., D.Sc.</b> Hon. Professor of Geology and Palaeontology, Victoria University, Manchester. <i>Fallowfield House, Fallowfield, Manchester, England.</i>	1880
<b>deBar, Hon. Édouard Sève.</b> <i>Ramsgate, England.</i>	1882
<b>Delage, Yves.</b> Professor of Zoology, Université de Paris. <i>Université de Paris, Station Zoologique de Roscoff, Paris, France.</i>	1905
<b>Delitzsch, Friedrich, Ph.D.</b> Professor of Assyriology, University of Berlin. <i>University of Berlin, Berlin, Germany.</i>	1904
<b>Dewar, Sir James, Kt., M.A., LL.D., D.Sc.</b> Professor of Natural Experimental Philosophy, University of Cambridge. <i>1 Scroope Terrace, Cambridge, England.</i>	1899
<b>Diels, Hermann, Dr.Phil., M.D., LL.D.</b> Professor of Classics, University of Berlin. <i>Nürnbergerstr. 65, II, Berlin W., 50, Germany.</i>	1909
<b>Engler, Adolf, Ph.D.</b> Professor of Botany, University of Berlin. <i>Berlin-Dahlem, Botanischer Garten, Germany.</i>	1906
<b>d'Estournelles de Constant, Baron.</b> <i>78 bis Ave. Henri Martin, Paris, France.</i>	1907
<b>Evans, Sir Arthur John, Kt., M.A., D.Litt., LL.D.</b> Extr. Professor of Prehistoric Archaeology, Oxford. <i>Youlbury, Oxford, England.</i>	1913
<b>Fennell, C. A. M., Litt.D.</b> <i>Mayfield, Great Shelford, Cambridge, England.</i>	1895
<b>Fischer, Emil, Ph.D., M.D.</b> Professor of Chemistry, University of Berlin. Medal—Nobel Laureate, Chemistry, 1902. <i>Hessischestr. 2, Berlin, Germany.</i>	1909
<b>Forbes, George, M.A. (Cantab.).</b> Formerly Professor of Natural Philosophy, Anderson's College, Glasgow. <i>11 Little College St., Westminster, S. W., London, England.</i>	1891
<b>Foster, George Carey, LL.D., D.Sc.</b> Formerly Professor of Physics, University College, London. <i>Ladywalk, Rickmansworth, Herts, England.</i>	1907
<b>Geikie, Sir Archibald, O.M., K.C.B., Sc.D., LL.D., D.C.L.</b> Late Director General of the Geological Survey of Great Britain. <i>Shepherd's Down, Haslemere, Surrey, England.</i>	1880

	Date of Election
Glazebrook, Sir Richard Tetley, Kt., C.B., M.A., Sc.D. Director of the National Physical Laboratory. <i>Bushy House, Teddington, Middlesex, England.</i>	1895
de Gregorio, Marquis Antonio. <i>Al Malo, Palermo, Sicily.</i>	1888
Haeckel, Ernst, Ph.D., M.D., LL.D. Professor of Zoology, University of Jena. <i>Jena University, Jena, Germany.</i>	1885
Hilprecht, Hermann V., Ph.D., D.D., LL.D. Formerly Professor of Comparative Semitic Philology, University of Pennsylvania. <i>Leopoldstr. 8, Munich, Bavaria.</i>	1886
Johannsen, Wilhelm L. Professor of Plant Physiology, Copenhagen University. <i>The University, Copenhagen, Denmark.</i>	1916
Jusserrand, Jean Adrien Antoine Jules, LL.D. French Ambassador. <i>French Embassy, Washington, D. C.</i>	1907
Kapteyn, Jacobus Cornelius. Professor of Astronomy, Royal University of Gröningen. <i>Gröningen, Holland.</i>	1907
Karpinsky, Alexandre Petrovitch. Hon. Director of the Russian Geological Survey. <i>Geological Survey, Petrograd, Russia</i>	1897
Kitasato, Shibasaburo, M.D. Director of the Kitasato Institute for Infectious Diseases. <i>Kitasato Institute for Infectious Diseases, Tokyo, Japan.</i>	1914
Krauss, Friedrich S. <i>vii/2 Neustiftgasse 12, Vicuna, Austria.</i>	1889
Lanciani, Rodolfo, Ph.D., LL.D., D.C.L. Professor of Ancient Topography, University of Rome, Senator of the Kingdom. <i>24 Piazza Sallustio, Rome, Italy.</i>	1897
Lankester, Sir Edwin Ray, K.C.B., M.A., D.Sc., LL.D. Late Director of the Natural History Departments. British Museum <i>29 Thurloe Place, S. W., London, England.</i>	1903
Larmor, Sir Joseph, Kt., M.A., D.Sc., LL.D., D.C.L. Professor of Mathematics. University of Cambridge. <i>St Johns College, Cambridge, England.</i>	1913
Lockyer, Sir J. Norman, K.C.B., LL.D., Sc.D. Director of Hill Observatory. <i>Hill Observatory, Salcombe Regis, Sidmouth, England.</i>	1874
Lodge, Sir Oliver Joseph, Kt., D.Sc., LL.D. Principal of the University of Birmingham. <i>Marlmont, Edgebaston, Birmingham, England.</i>	1901
Lorentz, Hendrik Antoon. Professor of Physics, University of Leyden Medal—Nobel Laureate. Physics (1902): Franklin (Franklin Institute of Phila., 1917). <i>76 Zylceg, Haarlem, Holland.</i>	1906
Macallum, Archibald Byron, M.A., M.D., Ph.D., Sc.D., LL.D. Professor of Biochemistry. University of Toronto. <i>Room 157 West Departmental Block, Ottawa, Canada.</i>	1917

	Date of Election
<b>Mackenzie, Arthur Stanley.</b> President of Dalhousie University, Halifax, Nova Scotia. <i>Dalhousie University, Halifax, Nova Scotia.</i>	1899
<b>McMurrich, James Playfair, M.A., Ph.D., LL.D.</b> Professor of Anatomy, University of Toronto. <i>Anatomical Laboratory, University of Toronto, Toronto, Canada.</i>	1907
<b>Marconi, Guglielmo, D.Sc., LL.D.</b> Medal—Nobel Laureate, Physics (1909). <i>18 Finch Lane, London, E. C., England.</i>	1901
<b>Mengarini, Guglielmo.</b> <i>Piazza Quirinale 14. Rome, Italy.</i>	1898
<b>Meyer, Eduard, LL.D., D.Litt., Ph.D.</b> Professor at the University of Berlin. <i>Berlin-Gross-Lichterfelde. Mommsenstr. 7, Germany.</i>	1910
<b>Nansen, Fridtjof, D.Sc., Ph.D., D.C.L.</b> Professor of Oceanography, Christiania University. <i>Lysaker near Christiania, Norway.</i>	1897
<b>Nöldeke, Theodor, Ph.D.</b> Professor Emeritus of Semitic Philology, University of Strassburg. <i>University of Strassburg, Strassburg, Germany.</i>	1906
<b>Nordenskjöld, Otto, Ph.D.</b> Professor of Geography, University of Gothenburg, <i>Göteborg 3, Sweden.</i>	1905
<b>Nys, Ernest, LL.D., D.C.L.</b> Professor of International Law, University of Brussels. <i>30 Rue Saint-Jean, Brussels, Belgium.</i>	1908
<b>Onnes, Heike Kamerlingh, Ph.D., D.Sc.</b> Professor of Physics, University of Leyden. Medal—Nobel Laureate, Physics (1913); Franklin (Franklin Institute of Phila., 1915). <i>Huize ter Wetering, Haaweg, Leyden, Holland.</i>	1914
<b>Osler, Sir William, Bart., M.D., D.Sc.</b> Regius Professor of Medicine, University of Oxford. <i>13 Norham Gardens, Oxford, England.</i>	1885
<b>Ostwald, Wilhelm, D.Sc., LL.D.</b> Professor Emeritus of Chemistry, University of Leipzig. Medal—Nobel Laureate, Chemistry (1909). <i>Gross-Bothen b. Leipzig, Germany.</i>	1912
<b>Peñafiel, Antonio.</b> <i>Callejón Betlemitas 8, Mexico, D. F., Mexico.</i>	1886
<b>Penck, Albrecht F. K., Ph.D., D.Sc.</b> Professor of Geography, University of Berlin. <i>7 Georgenstrasse 34, Berlin N. W., Germany</i>	1908
<b>Petrie, William Matthew Flinders, D.C.L., Litt.D., LL.D.</b> Professor of Egyptology, University College, London. <i>8 Well Road, Hampstead, N. W., London, England.</i>	1905
<b>Pfeffer, Wilhelm F., Ph.D., M.D., Sc.D.</b> Professor of Botany, University of Leipzig. <i>Botanisches Institut, Leipzig, Germany.</i>	1909
<b>Picard, Charles Emile.</b> Professor of Mathematics at the Sorbonne. <i>4 Rue Joseph Bara VI, Paris, France.</i>	1910
<b>Postgate, John Percival, Litt.D.</b> Professor of Comparative Philology, University of London. <i>15 Linnet Lane, Liverpool, England</i>	1886

Date of  
Election

Prain, Sir David, M.A., M.B., LL.D. Director of the Royal Botanic 1917  
Gardens, Kew. *Royal Botanic Gardens, Kew, England.*

Rayleigh, Rt. Hon. John William Strutt, Lord, O.M., M.A., Ph.D., Sc.D., 1886  
LL.D. Formerly Professor of Physics, University of Cambridge.  
Medal—Nobel Laureate, Physics (1904). *Terling Place, Witham,  
Essex, England.*

Redwood, Sir Boverton, Bart., D.Sc. *The Cloisters, 18 Avenue Road, 1898  
Regents Park, N. W., London, England.*

Retzius, Magnus Gustav, M.D. Late Professor of Anatomy. Caroline 1912  
Medico-Chirurgical Institute, Stockholm. *116 Drottninggatan,  
Stockholm, Sweden.*

Richardson, Owen Willans, M.A., D.Sc. Professor of Physics, University 1910  
of London, King's College. *4 Cannon Place, Hampstead, London,  
England.*

Rutherford, Sir Ernest, Kt., M.A., D.Sc., Ph.D. Professor of Physics, 1904  
University of Manchester. Medal—Nobel Laureate, Chemistry  
(1908). *17 Wilmslow Road, Withington, Manchester, England.*

Schuster, Arthur, Ph.D., Sc.D., LL.D. Honorary Professor of Physics, 1913  
University of Manchester. *Yeldall, Twyford, Berks, England.*

Sergi, Giuseppe. Professor of Anthropology. R. Università, Rome. 1885  
*Museo e Laboratorio di Antropologia, Rome, Italy.*

Snellen, Herman, Jr. Professor of Ophthalmology, Rijks University. 1894  
*Utrecht, Netherlands.*

Szombathy, Josef. Keeper of the Anthropologico-Ethnographic Section, 1886  
K. K. Naturhistorisches Hofmuseum. *Burgring 7, Vienna,  
Austria.*

Temple, Lt. Col. Sir Richard Carnac, Bart. *The Nash, Worcester, 1886  
England.*

Thistleton-Dyer, Sir William Turner, K.C.M.G., M.A., Sc.D., Ph.D., 1905  
LL.D. Late Director, Royal Botanic Gardens, Kew. *The Ferns,  
Witcombe, Gloucester, England.*

Thomson, Sir Joseph John, Kt., O.M., M.A., Sc.D., Ph.D., LL.D. Professor 1903  
of Experimental Physics, Cambridge University. Medal—  
Nobel Laureate, Physics (1906). *Holmleigh, West Road, Cambridge,  
England.*

im Thurn, Sir Everard, K.C.M.G., M.A., LL.D. *39 Letherham Gerdans, W., 1885  
London, England.*

Trevelyan, Rt. Hon. Sir George Otto, Bart., O.M., LL.D., D.C.L. *Wel- 1899  
combe, Stratford-on-Avon, England.*

Tschermak, Gustav v. Professor of Mineralogy and Petrography. K. 1882  
Universitet, Vienna. Austria. *Universitet, Vienna, Austria.*

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	Date of Election
<b>Turrettini, Theodore.</b> <i>Geneva, Switzerland.</i>	1890
<b>Unwin, William Cawthorne, B.Sc., LL.D.</b> Emeritus Professor of Engineering at Central Technical College, City and Guilds of London Inst. <i>Palace Gate Mansion, 29 Palace Gate, Kensington, London, England.</i>	1890
<b>van der Waals, Joannes Diderik, Ph.D.</b> Professor of Theoretical Physics, University of Amsterdam. <b>Medal</b> —Nobel Laureate, Physics (1910). <i>The University, Amsterdam, Netherlands.</i>	1916
<b>Volterra, Vito, Ph.D.</b> Professor of Physics, University of Rome. <i>Via in Lucina 17, Rome, Italy.</i>	1914
<b>de Vries, Hugo.</b> Professor of Plant Physiology, University of Amsterdam. <i>University, Amsterdam, Holland.</i>	1903
<b>Waldeyer, Wilhelm.</b> Professor of Anatomy, University of Berlin <i>Lutherstr. 35, Berlin W. 62, Germany.</i>	1904
<b>Woodward, Henry, LL.D.</b> Late Keeper of the Department of Geology, British Museum (Natural History). <i>13 Arundel Gardens, Notting Hill W., London, England.</i>	1874
<b>Wundt, Wilhelm, Ph.D.</b> Formerly Professor of Philosophy, University of Leipzig. <i>Schwaigerichen Str. 17, Leipzig, Germany.</i>	1895





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